EXHIBIT A

72/NW

Application No. OH0024686

Issue Date: June 29, 1994

Effective Date: August 1, 1994

Expiration Date: April 1, 1997

# Ohio Environmental Protection Agency
# Authorization to Discharge Under the
# National Pollutant Discharge Elimination System

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as the "Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Section 6111),

**City of Clyde**

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the wastewater treatment works located at 749 West McPherson Highway, Clyde, Ohio, Sandusky County

and discharging to Raccoon Creek

in accordance with the conditions specified in Parts I, II, and III of this permit.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.

Donald R. Schregardus
Director

Part I, A. - INTERIM EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until April 17, 1996, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall: 2PD00004001. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

| EFFLUENT CHARACTERISTIC | | | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS | |
|---|---|---|---|---|---|---|---|---|
| | | | Concentration Specified Units | | Loading kg/day | | | |
| Reporting Code | Units | Parameter | 30 day | 7 day | 30 day | 7 day | Meas. Freq. | Sample Type |
| 00010 | °C | Water Temperature | - | - | - | - | Daily | Continuous (Max. Ind. Therm) |
| 00530 | mg/l | Total Suspended Solids | | | | | | |
| | | (Summer) | 12 | 18 | 86 | 130 | 3/Week | Composite |
| | | (Winter) | 30 | 45 | 216 | 324 | 3/Week | Grab |
| 00556 | mg/l | Oil and Grease | Not to exceed 10 at any time | | | | 1/Week | Grab |
| 00610 | mg/l | Nitrogen, Ammonia ($NH_3$) | | | | | | |
| | | (Summer) | 1.0 | 1.5 | 7.2 | 11 | 3/Week | Composite |
| | | (Winter) | 3.0 | 4.5 | 22 | 32 | 3/Week | Composite |
| 00665 | mg/l | Phosphorus, Total (P) | 1.0 | 1.5 | 7.2 | 11 | 3/Week | Composite |
| 31616 | #/100ml | Fecal Coliform (Summer Only) | 1000 | 2000 | - | - | 3/Week | Grab |
| 50050 | MGD | Flow Rate | - | - | - | - | Daily | Continuous |
| 80082 | mg/l | $CBOD_5$ | | | | | | |
| | | (Summer) | 8 | 12 | 58 | 86 | 3/Week | Composite |
| | | (Winter) | 25 | 40 | 180 | 288 | 3/Week | Composite |

2. The pH (Reporting Codes 00402 (minimum) and 00401 (maximum) shall not be less than 6.5 S.U. nor greater than 9.0 S.U. and shall be monitored by multiple grab and reported daily.

3. If the entity uses chlorine for disinfection, the Chlorine Residual shall be mantained at a level not to exceed 0.019 mg/l and shall be monitored daily by multiple grab sample. (Summer Only)**

4. The Dissolved Oxygen (Reporting Code 00300) shall be maintained at a level of not less than 5.0 mg/l (winter) and 7.0 mg/l (Summer) and shall be monitored daily by multiple grab sample.

* The average effluent loading limitations are established using the following flow value: 1.9 MGD.
** See Part II, Items J and K.

Part I, A. - INTERIM EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until April 17, 1996, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall: 2PD00004001. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

| EFFLUENT CHARACTERISTIC | | | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS | |
|---|---|---|---|---|---|---|---|---|
| | | | Concentration Specified Units | | Loading kg/day | | | |
| Reporting Code | Units | Parameter | 30 day | 7 day | 30 day | 7 day | Meas. Freq. | Sample Type |
| 00335 | mg/l | COD | - | - | - | - | 1/Week | Composite** |
| 00625 | mg/l | Nitrogen, Total Kjeldahl | - | - | - | - | 1/Month | Composite** |
| 01074 | µg/l | Nickel, Total Recoverable | - | - | - | - | 1/Month | Composite** |
| 01079 | µg/l | Silver, Total Recoverable | - | - | - | - | 1/Month | Composite** |
| 01094 | µg/l | Zinc, Total Recoverable | 355 | 376 | 2.6 | 2.7 | 1/Month | Composite** |
| 01113 | µg/l | Cadmium, Total Recoverable | 4.3 | 2.5 | .031 | 0.18 | 1/Month | Composite** |
| 01114 | µg/l | Lead, Total Recoverable | - | - | - | - | 1/Month | Composite** |
| 01118 | µg/l | Chromium, Total Recoverable | - | - | - | - | 1/Month | Composite** |
| 01119 | µg/l | Copper, Total Recoverable | 44 | 72 | .32 | .52 | 1/Month | Composite** |
| 01220 | µg/l | Chromium, Dissolved Hexavalent | 12 | 15 | .086 | .11 | 1/Month | Grab** |
| 61426 | TUc | Chronic Toxicity, Ceriodaphnia dubia | - | Monitor | - | - | See Part II, S | |
| 61428 | TUc | Chronic Toxicity, Pimephales promelas | - | Monitor | - | - | See Part II, S | |
| 99993 | µg/l | Mercury, Total | 0.015 | 1.1 | 0.00011 | .008 | 1/Month | Composite** |
| 99995 | mg/l | Cyanide, Free | .013 | 0.047 | .093 | .34 | 1/Month | Grab*** |

* The average effluent loading limitations are established using the following flow value: 1.9 MGD.
** See Part II, Item G, O.
*** See Part II, Item Q.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until April 17, 1996the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 2PD00004001. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

| EFFLUENT CHARACTERISTIC | | | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS | |
|---|---|---|---|---|---|---|---|---|
| | | | Concentration Specified Units | | Loading kg/day | | | |
| Reporting Code | Units | Parameter | 30 day | 7 day | 30 day | 7 day | Meas. Freq. | Sample Type |
| 00010 | °C | Water Temperature | - | - | - | - | Daily | Continuous (Max. Ind. Therm.) |
| 00530 | mg/l | Total Suspended Solids | | | | | | |
| | | (Summer) | 12 | 18 | 86 | 130 | 3/Week | Composite |
| | | (Winter) | 30 | 45 | 216 | 324 | 3/Week | Composite |
| 00556 | mg/l | Oil and Grease | Not to exceed 10 at any time | | | | 1/Week | Grab |
| 00610 | mg/l | Nitrogen, Ammonia ($NH_3$) | | | | | | |
| | | (Summer) | 1.0 | 1.5 | 7.2 | 11 | 3/Week | Composite |
| | | (Winter) | 3.0 | 4.5 | 22 | 32 | 3/Week | Composite |
| 00665 | mg/l | Phosphorus, Total (P) | 1.0 | 1.5 | 7.2 | 11 | 3/Week | Composite |
| 31616 | #/100ml | Fecal Coliform (Summer Only) | 1000 | 2000 | - | - | 3/Week | Grab |
| 50050 | MGD | Flow | - | - | - | - | Daily | Continuous |
| 80082 | mg/l | $CBOD_5$ | | | | | | |
| | | (Summer) | 8 | 12 | 58 | 86 | 3/Week | Composite |
| | | (Winter) | 25 | 40 | 180 | 288 | 3/Week | Composite |

2. The pH (Reporting Codes 00402 (minimum) and 00401 (maximum)) shall not be less than 6.5 S.U. nor greater than 9.0 S.U. and shall be monitored multi-grab and reported daily.

3. If the entity uses chlorine for disinfection, the Chlorine Residual (Reporting Code 50060) shall be maintained at a level not to exceed 0.019 mg/l and shall be monitored daily by multi-grab sample. (Summer only)**

4. The Dissolved Oxygen (Reporting Code 00300) shall be maintained at a level of not less than 5.0 mg/l (winter) and 7.0 mg/l (summer) mg/l and shall be monitored daily by multiple grab sample.

* The average effluent loading limitations are established using the following flow value: 1.9 MGD.

** See Part II, Item J, K.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

5. During the period beginning on April 17, 1996 and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 2PD00004001. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

| EFFLUENT CHARACTERISTIC | | | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS | |
|---|---|---|---|---|---|---|---|---|
| | | | Concentration Specified Units | | Loading kg/day | | | |
| Reporting Code | Units | Parameter | 30 day | Daily Max. | 30 day | Daily Max. | Meas. Freq. | Sample Type |
| 00335 | mg/l | COD | - | - | - | - | 1/Week | Composite** |
| 00625 | mg/l | Nitrogen, Total Kjeldahl | - | - | - | - | 1/Month | Composite** |
| 01074 | µg/l | Nickel, Total Recoverable | - | - | - | - | 1/Month | Composite** |
| 01079 | µg/l | Silver, Total Recoverable | - | - | - | - | 1/Month | Composite** |
| 01094 | µg/l | Zinc, Total Recoverable | 355 | 376 | 2.6 | 2.7 | 1/Month | Composite** |
| 01113 | µg/l | Cadmium, Total Recoverable | 4.3 | 2.5 | 0.031 | 0.18 | 1/Month | Composite** |
| 01114 | µg/l | Lead, Total Recoverable | - | - | - | - | 1/Month | Composite** |
| 01118 | µg/l | Chromium, Total Recoverable | - | - | - | - | 1/Month | Composite** |
| 01119 | µg/l | Copper, Total Recoverable | 44 | 72 | 0.32 | 0.52 | 1/Month | Composite** |
| 01220 | µg/l | Chromium, Dissolved Hexavalent | 12 | 15 | 0.086 | 0.11 | 1/Month | Grab*** |
| 61426 | TUc | Chronic Toxicity, Ceriodaphnia dubia | - | 1.0 | - | - | See Part II, S. | |
| 61428 | TUc | Chronic Toxicity, Pimephales promelas | - | 1.0 | - | - | See Part II, S. | |
| 99993 | µg/l | Mercury, Total | 0.015 | 1.1 | 0.00011 | 0.008 | 1/Month | Composite** |
| 99995 | mg/l | Cyanide, Free | 0.013 | 0.047 | 0.093 | 0.34 | 1/Month | Grab*** |

* The average effluent loading limitations are established using the following flow value: 1.9 MGD.
** See Part II, Item G. and O.
*** See Part II, Item Q.

Part I, B. - ADDITIONAL MONITORING REQUIREMENTS

1.. Influent Monitoring. The permittee shall monitor the treatment works' influent wastewater at Station Number 2PD00004601, and report to the Ohio EPA in accordance with the following table. Samples of influent used for determination of net values or percent removal must be taken the same day as those samples of effluent used for that determination. See Part II, OTHER REQUIREMENTS, for location of influent sampling.

| CHARACTERISTIC | | | MONITORING REQUIREMENTS | |
|---|---|---|---|---|
| Reporting Code | Units | Parameter | Measurement Frequency | Sample Type |
| 00010 | °C | Water Temperature | Daily | Continuous (Max.Ind. Therm.) |
| 00400 | S.U. | pH | Daily | Multiple Grab |
| 00530 | mg/l | Total Suspended Solids | 3/Week | Composite* |
| 00625 | mg/l | Nitrogen, Total Kjeldahl | 1/Month | Composite* |
| 01074 | µg/l | Nickel, Total Recoverable | 1/Month | Composite* |
| 01079 | µg/l | Silver, Total Recoverable | 1/Month | Composite* |
| 01094 | µg/l | Zinc, Total Recoverable | 1/Month | Composite* |
| 01113 | µg/l | Cadmium, Total Recoverable | 1/Month | Composite* |
| 01114 | µg/l | Lead, Total Recoverable | 1/Month | Composite* |
| 01118 | mg/l | Chromium, Total Recoverable | 1/Month | Composite* |
| 01119 | µg/l | Copper, Total Recoverable | 1/Month | Composite* |
| 01220 | mg/l | Chromium, Dissolved, Hexavalent | 1/Month | Composite* |
| 80082 | mg/l | $CBOD_5$ | 3/Week | Composite |
| 99993 | µg/l | Mercury, Total | 1/Month | Composite* |
| 99996 | mg/l | Cyanide, Total | 1/Month | Composite* |

* See Part II, Item O.

Part I, B. - ADDITIONAL MONITORING REQUIREMENTS

2. Upstream and Downstream. The permittee shall monitor the receiving stream, upstream of the point of discharge at Station Number 2PD00004801, and downstream of the point of discharge at Station Number 2PD00004901, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sampling.

| CHARACTERISTIC | | | MONITORING REQUIREMENTS | |
|---|---|---|---|---|
| Reporting Code | Units | Parameter | Measurement Frequency | Sample Type |
| 00010 | °C | Water Temperature | 1/Week | Grab |
| 00300 | mg/l | Dissolved Oxygen | 1/Week | Grab |
| 00400 | S.U. | pH | 1/Week | Grab |
| 00610 | mg/l | Nitrogen, Ammonia ($NH_3$) | 1/Week | Grab |
| 31616 | #/100ml | Fecal Coliform (Summer Only) | 1/Week | Grab |
| 50060 | mg/l | Chlorine, Total Residual (Summer Only) | 1/Week | Grab |
| 80082 | mg/l | $CBOD_5$ | 1/Week | Grab |

Part I, B. - ADDITIONAL MONITORING REQUIREMENTS

3. Sludge. The permittee shall monitor the treatment works' final sludge at Station Number 2PD00004581, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sludge sampling.

| CHARACTERISTIC Reporting Code | Units** | Parameter | MONITORING REQUIREMENTS* Measurement Frequency | Sample Type |
|---|---|---|---|---|
| 00627 | mg/kg | Nitrogen, Total Kjeldahl | 1/Month | Composite |
| 01003 | mg/kg | Arsenic | 1/Quarter | Composite |
| 01028 | mg/kg | Cadmium | 1/Month | Composite |
| 01029 | mg/kg | Chromium | 1/Month | Composite |
| 01043 | mg/kg | Copper | 1/Month | Composite |
| 01052 | mg/kg | Lead | 1/Month | Composite |
| 01068 | mg/kg | Nickel | 1/Month | Composite |
| 01093 | mg/kg | Zinc | 1/Month | Composite |
| 01148 | mg/kg | Selenium | 1/Quarter | Compsoite |
| 70316 | Dry Tons | Sludge Weight*** | Daily | Total |
| 70318 | % | Sludge Solids, Percent Total | Daily | Grab |
| 70322 | % | Sludge Solids, Percent Volatile | Daily | Grab |
| 71921 | mg/kg | Mercury | 1/Month | Composite |
| 78465 | mg/kg | Molybdenum | 1/Quarter | Composite |

See Part II, Item R.

* When sludge is removed from the wastewater treatment facility and disposed of by land application. If no sludge is removed during month, leave data area blank and enter "No sludge removed during month" in the "Additional Remarks" section (signature still required).
** Units of mg/kg on dry weight basis.
*** Calculated total for the sampling period.

PART I, C. Schedule of Compliance

This entity shall take the actions described below as expeditiously as practicable, but not later than the dates developed in accordance with the following schedule:

1. Within 12 months of the effective date of this permit or by August 1, 1995, the permittee shall develop and submit to the Northwest District Office for approval two copies of a Combined Sewer System Operational Plan. The Plan shall outline in detail the procedures used to ensure that the collection system is adequately maintained and the steps taken to ensure that the frequency, duration and volume of flow, and the pollutant loads discharged from the CSOs are minimized. When the Plan is approved, the permittee shall operate and maintain the combined sewer system in accordance with the approved plan.

   Items included in Ohio EPA's "Checklist for Adequacy of Combined Sewer System Operational Plans" (11-4-93) must be considered in developing the Plan and addressed if they are applicable. The degree of detail that is required in a Plan is variable, depending on the complexity of the combined sewer system.

   The permittee is required to implement the minimum control measures identified by U.S. EPA as BCT/BAT for CSOs that are applicable to its system:

   1. Proper operation and regular maintenance programs for the sewer system and CSO points;
   2. Maximum use of the collection system for storage;
   3. Review and modification of pretreatment programs to minimize CSO impacts;
   4. Maximization of flow to POTW for treatment;
   5. Prohibition of dry weather overflows;
   6. Control of solid and floatable materials in CSO discharges;
   7. Required inspection, monitoring and reporting of CSOs;
   8. Pollution prevention programs that focus on contaminant reduction activities; and
   9. Public notification for any areas affected by CSOs, especially beach and recreational areas.

   Section IV of the checklist applies specifically to the minimum controls.

   The Plan shall include sections that evaluate which of the nine minimum controls are applicable. If a minimum control does not apply, this must be explained. A description of how the permittee intends to comply with the applicable controls and the current status of implementation shall be included. The Plan also shall include a fixed date schedule of compliance for implementing the controls that are not fully in place. When approved, this schedule shall be incorporated by reference as part of this permit.

   Two guidance documents are available from U.S. EPA Region 5: "Technical Guidance For Use In The Development Of A Combined Sewer System Operational Plan" (September, 1986) and "Example of a Combined Sewer System Operational Plan" (June, 1990). Guidance on implementing the nine minimum controls is in U.S. EPA's "Minimum Control Measures for Combined Sewer Overflows" (1993). Ohio EPA can assist in obtaining these documents.

2. A. Within 6 months of the effective date of this permit or by February 1, 1995, submit to the Northwest District Office for approval two copies of a detailed plan of study for conducting wet weather stress testing of the Clyde WWTP. The purpose of the stress testing is to maximize wet weather combined sewer flow to the treatment plant that receives full treatment without washing out the system or rendering it inoperable.

PART I, C. Schedule of Compliance (Continued)

B. Within 24 months of the effective date of this permit or by August 1, 1996, complete wet weather stress testing. EPA acknowledges that some violations of permit limits may occur during the stress testing as the limits of operation are determined.

C. Within 27 months of the effective date of this permit or by September 1, 1997, submit to the Northwest District Office two copies of a report on the results of the wet weather stress testing. This report shall include, at a minimum, the following elements:

(1) Documentation of the maximum wet weather flow that can receive full treatment without washing out the system or rendering it inoperable.

(2) Documentation of the minimum wet weather flow that the plant is capable of treating at all times.

After the results of the study are approved by Ohio EPA, this permit will be modified. The loading limits for total suspended solids and $CBOD_5$ will be based on the flow value identified in 2.C.1.

3. A. Within 6 months of the effective date of this permit or by February 1, 1995, the permittee shall submit to the Northwest District office for approval 2 copies of a proposal for a monitoring program that satisfies the following objectives:

- o provides adequate data to characterize and model the collection system and combined sewer overflows
- o supports development and implementation of the minimum control measures for CSOs
- o allows the effectiveness of the minimum control measures to be evaluated.

Characterization includes developing an understanding of the collection system and how it responds to a variety of rain events; identifying separate sewered areas tributary to combined sewer overflows and determining the impacts on CSOs; identifying sources of toxic and hazardous pollutants and estimating the loads entering the combined sewer system; determining the frequency and volume of overflows; and determining the concentrations and loadings of pollutants being discharged.

For small, relatively simple collection systems, monitoring data alone may provide adequate characterization, and modeling might not be necessary.

B. Within 24 months of the effective date of this permit or by August 1, 1996, the permittee shall submit to the Northwest District Office 2 copies of a report on the characterization of the collection system and the combined sewer overflows.

4. Within 27 months of the effective date of this permit or by November 30, 1996, the permittee shall submit the results of a study characterizing the fecal coliform levels in Racoon Creek upstream and downstream of its combined sewer overflow discharges. Sampling shall be conducted during the summer months, May - October.

PART I, C. Schedule of Compliance (Continued)

Baseline bacteria sampling shall be conducted during dry weather periods when there has been no rainfall during the preceding 72 hours. The study shall include dry weather data from at least 10 days.

Wet weather sampling shall be conducted following three rain events during which combined sewer overflows occur. Sampling should occur only if the rainfall volume exceeds 0.1 inches, and, if possible, the rain events should vary in magnitude and duration. Wet weather sampling shall begin on the day of the rain event and continue for the next 3 days. At least 1 sample shall be collected each day.

The upstream sampling point shall be on Racoon Creek above all of the permittee's combined sewer overflows. The downstream sampling point shall be on Racoon Creek below all of the permittee's combined sewer overflows, and, if possible, above the wastewater treatment plant outfall. Fecal coliform sampling done by the permittee as part of this study may be used, as appropriate, to fulfill monitoring requirements at stations 2PD00004801 and 2PD00004901.

Samples for this study shall be collected as grab samples.

Results reported to Ohio EPA shall include a description of the two sampling locations, the date and time when samples were collected, a description of the sampling procedure, the analytical results, and for wet weather sampling, the inches and duration of the preceding rainfall.

The report also shall identify which CSOs discharge to waters, including small, accessible urban streams, where there is a high probability for contact recreation. Based on the results of the instream bacteria study, this permit may be modified to require the permittee to develop controls to ensure that these waters attain the applicable water quality standards for bacteria when contact recreation is occurring. This would include a proposal for notifying the public when elevated bacteria levels may endanger public health.

Part II, OTHER REQUIREMENTS

A. The wastewater treatment works must be under supervision of a Class III State certified operator as required by rule 3745-7-02 of the Ohio Administrative Code.

B. The plant must be staffed and operated in accordance with the Ohio EPA approved Operation and Maintenance Manual.

C. Description of the location of the required sampling stations are as follows:

| Sampling Station | Description of Location |
|---|---|
| 2PD00004001 | Final Effluent (Lat: 41° 19' 12"; Long: 82° 59' 24") |
| 2PD00004581 | Sludge |
| 2PD00004601 | Influent |
| 2PD00004801 | Upstream |
| 2PD00004901 | Downstream |

D. All parameters, except flow, need not be monitored on days when the plant is not normally staffed (Saturdays, Sundays, and Holidays). On those days, report "AN" on the monthly report form.

E. The permittee is authorized to discharge from the following overflows only during wet weather periods when the flow in the sewer system exceeds the capacity of the sewer system. See Part II, Item F for monitoring and reporting requirements. Also see Part III, Item 11.

| Station Number | Description | Receiving Stream |
|---|---|---|
| 2PD00004003 | McPherson Highway Regulator | Racoon Creek |
| 2PD00004005 | Spring Street Regulator | Racoon Creek |
| 2PD00004006 | Vine Street Regulator | Racoon Creek |
| 2PD00004008 | Buckeye Gate Valve | Racoon Creek |

F. The permittee shall monitor the system overflows at stations 2PD00004003 through 2PD00004005, 2PD00004006, and 2PD00004008 and report to the Ohio EPA in accordance with the following table:

| CHARACTERISTIC Reporting Code | Units | Parameter | MONITORING REQUIREMENTS Measurement Frequency | Sample Type |
|---|---|---|---|---|
| 00530 | mg/l | Suspended Solids | 1/Month | Grab |
| 50050 | Million Gallons | Volume | When discharging | Daily Est. |
| 80082 | mg/l | $CBOD_5$ | 1/Month | Grab |
| 80998 | Number/Month | Occurrences | When discharging | Estimate |
| 80999 | Hours | Duration | When discharging | Daily Est. |

The permittee shall set up a rotating schedule to sample at least five (5) stations during each storm event. Samples should be collected during the first 30 minutes of discharge.

Data for the number of occurrence(s) per day, the daily duration, and the total daily flow may be estimated.

Part II, OTHER REQUIREMENTS

Monitoring data shall be submitted for each month when discharge occurs. When discharge occurs, the monthly monitoring report shall be attached to the normal monthly report form (EPA-4500).

The sewer system shall be operated/maintained in such a manner as necessary to minimize impacts to the receiving stream resulting from combined sewer overflows. The permittee shall utilize the following technology to minimize such impacts:

1) provide proper operation and maintenance programs for the sewer system and combined sewer overflow points;
2) provide maximum use of the collection system for storage prior to allowing overflows;
3) review and modify pretreatment program;
4) maximize flow to the POTW for treatment;
5) prohibit dry weather overflows; and
6) control solid and floatable materials in the combined sewer overflow discharge.

G. Composite samples shall be comprised of a series of grab samples collected over a 24-hour period and proportionate in volume to the sewage flow rate at the time of sampling. Such samples shall be collected at such times and locations, and in such a fashion, as to be representative of the facility's overall performance.

H. Grab samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's performance.

I. Multiple grab samples shall be comprised of at least three grab samples collected at intervals of at least three hours during the period that the plant is staffed on each day for sampling. Samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's overall performance. The critical value shall be reported.

J. Multiple grab samples for chlorine residual shall be comprised of hourly grab samples during the period that the plant is staffed on each day of sampling. Samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's overall performance. The critical value shall be reported.

K. Effluent disinfection is not directly required, however, the entity is required to meet all applicable discharge permit limits. If disinfection facilities exist, they shall be maintained in an operable condition. Any design of wastewater treatment facilities should provide for the capability to install disinfection if required at a future time. Disinfection may be required if future bacteriological studies or emergency conditions indicate the need.

Part II, OTHER REQUIREMENTS

L. The parameters listed below have had effluent limitations established that are below the practical quantification level (PQL) of the 40 CFR 136 promulgated analytical procedures for those parameters. In accordance with ORC 6111.13, if a discharge limit is set below the PQL, any analytical result reported at or below the PQL shall be considered to be in compliance with that limit. All analytical results, even those below the PQL, shall be reported. Analytical results below the method detection limit shall be reported as below detection using reporting code "AA".

| Parameter | PQL |
|---|---|
| Total Residual Chlorine | 0.060 mg/l |
| Total Mercury | 1.0 µg/l |
| Total Cyanide | 0.029 mg/l |

M. POTWs that accept hazardous wastes by truck, rail, or dedicated pipeline are considered to be hazardous waste treatment, storage, and disposal facilities (TSDFs) and are subject to regulation under the Resource Conservation and Recovery Act (RCRA). Under the "permit-by-rule" regulation found at 40 CFR 270.60(c), a POTW must 1) comply with all conditions of its NPDES permit, 2) obtain a RCRA ID number and comply with certain manifest and reporting requirements under RCRA, 3) satisfy corrective action requirements, and 4) meet all federal, state, and local pretreatment requirements.

N. Final permit limitations based on preliminary or approved waste load allocations are subject to change based on modifications to or finalization of the allocation or report or changes to Water Quality Standards. Monitoring requirements and/or special conditions of this permit are subject to change based on regulatory or policy changes.

O. Sampling for these parameters at station 2PD00004001 and 2PD00004601 shall occur the same day.

P. Sampling at station 2PD00004001 for these parameters shall occur one detention time (the time takes for a volume of water to travel through the treatment plant) after sampling at station 2PD00004601 for the same parameters on the same day.

Q. Sampling at station 2PD00004601 for these parameters shall occur the detention time (the time it takes for a volume of water to travel through the treatment plant) prior to sampling at station 2PD00004001 for the same parameters on the same day.

R. Not later than January 31 of each calendar year, the permittee shall submit two (2) copies of a report summarizing the sludge disposal and/or reuse activities of the facility during the previous year. One copy of the report shall be sent to the Ohio EPA, Division of Surface Water, Central Office, and one copy of the report shall be sent to the Northwest District Office. This report shall address:
   1) Amount of sludge disposed of/reused in dry tons.
   2) Method(s) of disposal/reuse.
   3) Summary of all analyses made on the sludge, including any priority pollutant scans that may have been performed. (If a priority pollutant scan has been conducted as a part of the pretreatment program, the most recent analysis should be submitted.)
   4) Problems encountered including any complaints received. The cause or reason for the problem and corrective actions taken to solve the problem should also be included. Any incidents of interference with the method of sludge disposal shall be identified, along with the cause of interference (i.e., excessive metals concentration, contaminated sludge, etc.) and the corrective actions taken.

Part II, OTHER REQUIREMENTS (Continued)

S. It is understood by Ohio EPA that, at the time permit 2PD00004*JD becomes effective, the analytical technology does not exist to evaluate compliance with the mercury effluent limitations contained in the permit. The permittee must utilize the best available analytical technology currently approved under 40 CFR 136 for monitoring this parameter. As long as the permittee complies with the previous provision, Ohio EPA will consider all analytical results properly reported as below detection to be zeros for compliance and enforcement purposes.

If approval for an analytical procedure with a lower method detection level is promulgated during the period when this permit is effective, the permittee shall, within twelve months after promulgation, adopt the improved procedure for monitoring compliance with the mercury effluent limitations contained in the permit. During this twelve month interim period, the permittee shall perform analyses utilizing both the improved procedure and the previous procedure for comparison purposes while reporting only the results of the previous procedure for compliance purposes. Utilization of both types of analyses shall begin within six months of promulgation of the improved procedure, allowing a six month evaluation period.

T. It is understood by Ohio EPA that, at the time permit 2PD00004*JD becomes effective, an analytical method is not approved under 40 CFR 136 to evaluate compliance with the free cyanide effluent limitations contained in the permit. The permittee shall utilize method 4500-CN I contained in the 17th edition of Standard Methods (method 412H, 18th edition) until U.S. EPA promulgates a method for analyzing free cyanide under 40 CFR 136.

U. Biomonitoring Program Requirements

Compliance Monitoring Program

As soon as possible, but not later than April 17, 1996 after the completion of the TRE, the permittee shall initiate an effluent biomonitoring program to evaluate compliance with the whole effluent toxicity limits of 1.0 $TU_c$ outfall 2PD00004001.

General Requirements

All toxicity testing conducted as required by this permit shall be done in accordance with Reporting and Testing Guidance for Biomonitoring Required by the Ohio Environmental Protection Agency (hereinafter, the "biomonitoring guidance"), Ohio EPA, 1991 (or current revision). The Standard Operating Procedures (SOP) or verification of SOP submittal, as described in Section 1.B. of the biomonitoring guidance, shall be submitted no later than three months after the effective date of this permit. If the laboratory performing the testing has modified its protocols, a new SOP is required.

Testing Requirements

1. Chronic Bioassays

The permittee shall conduct semi-annual chronic toxicity tests using *Ceriodaphnia dubia* and fathead minnows (*Pimephales promelas*) on effluent samples from outfall 2PD00004001. These tests shall be conducted as specified in Section 3 of the biomonitoring guidance. Acute endpoints, as described in Section 2.H. of the biomonitoring guidance, shall be determined from the chronic test results.

Part II, OTHER REQUIREMENTS (Continued)

2. Data Review

Following completion of each semi-annual bioassay requirement, the permittee shall report results of the tests in accordance with Sections 3.H.1. and 3.H.2.b. of the biomonitoring guidance. Ohio EPA will evaluate the results in order to judge compliance with the whole effluent toxicity limitations of 1 $TU_c$ at outfall 2PD00004001. In addition, this permit may be modified to require additional biomonitoring or to require further investigation of toxicity.

b. Definitions

$$TU_c = \text{Chronic Toxic Units} = \frac{100}{\text{square root of (NOEC x LOEC)}}$$

PART III - GENERAL CONDITIONS

1. DEFINITIONS

"daily load limitations" is the total discharge by weight during any calendar day. If only one sample is taken during a day, the weight of pollutant discharge calculated from it is the daily load.

"daily concentration limitation" means the arithmetic average (weighted by flow) of all the determinations of concentration made during the day. If only one sample is taken during the day, its concentration is the daily concentration. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"7-day load limitation" is the total discharge by weight during any 7-day period divided by the number of days in that 7-day period that the facility was in operation. If only one sample is taken in a 7-day period, the weight of pollutant discharge calculated from it is the 7-day load. If more than one sample is taken during the 7-day period, the 7-day load is calculated by determining the daily load for each day sampled, totaling the daily loads for the 7-day period, and dividing by the number of days sampled.

"7-day concentration limitation" means the arithmetic average (weighted by flow) of all the determinations of daily concentration limitation made during the 7-day period. If only one sample is taken during the 7-day period, its concentration is the 7-day concentration limitation for that 7-day period. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"30-day load limitation" is the total discharge by weight during any 30-day period divided by the number of days in the 30-day period that the facility was in operation. If only one sample is taken in a 30-day period, the weight of pollutant discharge calculated from it is the 30-day load. If more than one sample is taken during one 30-day period, the 30-day load is calculated by determining the daily load for each day sampled, totaling the daily loads for the 30-day period and dividing by the number of days sampled.

"30-day concentration limitation" means the arithmetic average (weighted by flow) of all the determinations of daily concentration made during the 30-day period. If only one sample is taken during the 30-day period, its concentration is the 30-day concentration for that 30-day period. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"85 percent removal limitations" means the arithmetic mean of the values for effluent samples collected in a period of 30 consecutive days shall not exceed 15 percent of the arithmetic mean of the values for influent samples collected at approximately the same times during the same period.

"Absolute Limitations" Compliance with limitations having descriptions of "shall not be less than," "nor greater than," "shall not exceed," "minimum," or "maximum" shall be determined from any single value for effluent samples and/or measurements collected.

"Net concentration" shall mean the difference between the concentration of a given substance in a sample taken of the discharge and the concentration of the same substances in a sample taken at the intake which supplies water to the given process. For the purpose of this definition, samples that are taken to determine the net concentration shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"Net load" shall mean the difference between the load of a given substance as calculated from a sample taken of the discharge and the load of the same substance in a sample taken at the intake which supplies water to given process. For purposes of this definition, samples that are taken to determine the net loading shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"MGD" means million gallons per day.

"mg/l" means milligrams per liter.

"µg/l" means micrograms per liter.

"Reporting Code" is a five digit number used by the Ohio EPA in processing reported data. The reporting code does not imply the type of analysis used nor the sampling techniques employed.

"Quarterly sampling frequency" means the sampling shall be done in the months of March, June, August, and December.

"Yearly sampling frequency" means the sampling shall be done in the month of September.

"Semi-annual sampling frequency" means the sampling shall be done during the months of June and December.

"Winter" shall be considered to be the period from November 1 through April 30.

"Bypass" means the intentional diversion of waste streams from any portion of the treatment facility.

"Summer" shall be considered to be the period from May 1 through October 31.

"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

PART III - GENERAL CONDITIONS (continued)

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

2. GENERAL EFFLUENT LIMITATIONS

The effluent shall, at all times, be free of substances:

A. In amounts that will settle to form putrescent, or otherwise objectionable, sludge deposits; or that will adversely affect aquatic life or water fowl;

B. Of an oily, greasy, or surface-active nature, and of other floating debris, in amounts that will form noticeable accumulations of scum, foam or sheen;

C. In amounts that will alter the natural color or odor of the receiving water to such degree as to create a nuisance;

D. In amounts that either singly or in combination with other substances are toxic to human, animal, or aquatic life;

E. In amounts that are conducive to the growth of aquatic weeds or algae to the extent that such growths become inimical to more desirable forms of aquatic life, or create conditions that are unsightly, or constitute a nuisance in any other fashion;

F. In amounts that will impair designated instream or downstream water uses.

3. FACILITY OPERATION AND QUALITY CONTROL

All wastewater treatment works shall be operated in a manner consistent with the following:

A. At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with conditions of the permit.

B. The permittee shall effectively monitor the operation and efficiency of treatment and control facilities and the quantity and quality of the treated discharge.

C. Maintenance of wastewater treatment works that results in degradation of effluent quality shall be scheduled during non-critical water quality periods and shall be carried out in a manner approved by the Ohio EPA as specified in the Paragraph in this PART III entitled, "UNAUTHORIZED DISCHARGES".

4. REPORTING

A. Monitoring data required by this permit shall be reported on the Ohio EPA report form (4500) on a monthly basis. Individual reports for each sampling station for each month are to be received no later than the 15th day of the next month. The original plus first copy of the report form must be signed and mailed to:

Ohio Environmental Protection Agency
Division of Surface Water
Enforcement Section, ES/MOR
P.O. Box 1049
Columbus, Ohio 43266-0149

B. If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified below, the results of such monitoring shall be included in the calculation and reporting of the values required in the reports specified above.

C. Analyses of pollutants not required by this permit, except as noted in the preceding paragraph, shall not be reported on Ohio EPA report form (4500) but records shall be retained as specified in the paragraph entitled "RECORDS RETENTION".

5. SAMPLING AND ANALYTICAL METHODS

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored flow. Test procedures for the analysis of pollutants shall conform to regulation 40 CFR 136, "Test Procedures For The Analysis of Pollutants" unless other test procedures have been specified in this permit. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to insure accuracy of measurements.

PART III - GENERAL CONDITIONS (continued)

6. RECORDING OF RESULTS

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

A. The exact place and date of sampling; (time of sampling not required on EPA 4500)

B. The person(s) who performed the sampling or measurements;

C. The date the analyses were performed on those samples;

D. The person(s) who performed the analyses;

E. The analytical techniques or methods used; and

F. The results of all analyses and measurements.

7. RECORDS RETENTION

The permittee shall retain all of the following records for the wastewater treatment works for a minimum of three years, including:

A. All sampling and analytical records (including internal sampling data not reported);

B. All original recordings for any continuous monitoring instrumentation;

C. All instrumentation, calibration and maintenance records;

D. All plant operation and maintenance records;

E. All reports required by this permit; and

F. Records of all data used to complete the application for this permit for a period of at least three years from the date of the sample, measurement, report, or application.

These periods will be extended during the course of any unresolved litigation, or when requested by the Regional Administrator or the Ohio EPA. The three year period for retention of records shall start from the date of sample, measurement, report, or application.

8. AVAILABILITY OF REPORTS

Except for data determined by the Ohio EPA to be entitled to confidential status, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate district offices of the Ohio EPA. Both the Clean Water Act and Section 6111.05 Ohio Revised Code state that effluent data and receiving water quality data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Ohio Revised Code Section 6111.99.

9. DUTY TO PROVIDE INFORMATION

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

10. RIGHT OF ENTRY

The permittee shall allow the Director, or an authorized representative upon presentation of credentials and other documents as may be required by law to;

A. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.

B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.

C. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit.

D. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

11. UNAUTHORIZED DISCHARGES

A. Bypassing or diverting of wastewater from the treatment works is prohibited unless:

1. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

PART III - GENERAL CONDITIONS (continued)

2. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of downtime. This condition is not satisfied if adequate back up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

3. The permittee submitted notices as required under paragraph D. of this section.

B. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.

C. The Director may approve an unanticipated bypass, after considering its adverse effects, if the Director determines that it has met the three conditions listed in paragraph 11.A. of this section.

D. The permittee shall submit notice of an unanticipated bypass as required in section 12 (one hour notice).

E. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded if that bypass is for essential maintenance to assure efficient operation.

12. NONCOMPLIANCE NOTIFICATION

A. The permittee shall by telephone report any of the following within twenty-four (24) hours of discovery at (toll free) 1-800-282-9378:

1. Any noncompliance which may endanger health or the environment;

2. Any unanticipated bypass which exceeds any effluent limitation in the permit; or

3. Any upset which exceeds any effluent limitation in the permit.

4. Any violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit.

B. For the telephone reports required by Part 12.A., the following information must be included:

1. The times at which the discharge occurred, and was discovered;

2. The approximate amount and the characteristics of the discharge;

3. The stream(s) affected by the discharge;

4. The circumstances which created the discharge;

5. The names and telephone numbers of the persons who have knowledge of these circumstances;

6. What remedial steps are being taken; and

7. The names and telephone numbers of the persons responsible for such remedial steps.

C. These telephone reports shall be confirmed in writing within five days of the discharge and submitted to the appropriate Ohio EPA district office. The report shall include the following:

1. The limitation(s) which has been exceeded;

2. The extent of the exceedance(s);

3. The cause of the exceedance(s);

4. The period of the exceedance(s) including exact dates and times;

5. If uncorrected, the anticipated time the exceedance(s) is expected to continue, and

6. Steps being taken to reduce, eliminate, and/or prevent recurrence of the exceedance(s).

D. Compliance Schedule Events:

If the permittee is unable to meet any date for achieving an event, as specified in the schedule of compliance, the permittee shall submit a written report to the appropriate district office of the Ohio EPA within 14 days of becoming aware of such situation. The report shall include the following:

1. The compliance event which has been or will be violated;

2. The cause of the violation;

3. The remedial action being taken;,

4. The probable date by which compliance will occur; and

PART III - GENERAL CONDITIONS (continued)

5. The probability of complying with subsequent and final events as scheduled.

E. The permittee shall report all instances of noncompliance not reported under paragraphs A, B, or C of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraphs B and C of this section.

F. Where the permittee becomes aware that it failed to submit any relevant application or submitted incorrect information in a permit application or in any report to the director, it shall promptly submit such facts or information.

13. RESERVED

14. DUTY TO MITIGATE

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

15. AUTHORIZED DISCHARGES

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than, or at a level in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit. Such violations may result in the imposition of civil and/or criminal penalties as provided for in Section 309 of the Act and Ohio Revised Code Sections 6111.09 and 6111.99.

16. DISCHARGE CHANGES

The following changes must be reported to the appropriate Ohio EPA district office as soon as practicable.

A. For all treatment works, any significant change in character of the discharge which the permittee knows or has reason to believe has occurred or will occur which would constitute cause for modification or revocation and reissuance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. Notification of permit changes or anticipated noncompliance does not stay any permit condition.

B. For publicly owned treatment works:

1. Any proposed plant modification, addition, and/or expansion that will change the capacity or efficiency of the plant;

2. The addition of any new significant industrial discharge; and

3. Changes in the quantity or quality of the wastes from existing tributary industrial discharges which will result in significant new or increased discharges of pollutants.

C. For non-publicly owned treatment works, any proposed facility expansions, production increases, or process modifications, which will result in new, different, or increased discharges of pollutants.

Following this notice, modifications to the permit may be made to reflect any necessary changes in permit conditions, including any necessary effluent limitations for any pollutants not identified and limited herein. A determination will also be made as to whether a National Environmental Policy Act (NEPA) review will be required. Sections 6111.44 and 6111.45, Ohio Revised Code, require that plans for treatment works or improvements to such works be approved by the Director of the Ohio EPA prior to initiation of construction.

D. In addition to the reporting requirements under 40 CFR 122.41(l) and per 40 CFR 122.42(a), all existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

1. That any activity has occurred or will occur which would result in the discharge on a routine or frequent basis of any toxic pollutant which is not limited in the permit. If that discharge will exceed the highest of the "notification levels" specified in 40 CFR Sections 122.42(a)(1)(i) through 122.42(a)(1)(iv).

2. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the "notification levels" specified in 122.42(a)(2)(i) through 122.42(a)(2)(iv).

17. TOXIC POLLUTANTS

The permittee shall comply with effluent standards or prohibitions established under Section 307 (a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement. Following establishment of such standards or prohibitions, the Director shall modify this permit and so notify the permittee.

PART III - GENERAL CONDITIONS (continued)

18. PERMIT MODIFICATION OR REVOCATION

A. After notice and opportunity for a hearing, this permit may be modified or revoked, by the Ohio EPA, in whole or in part during its term for cause including, but not limited to, the following:

1. violation of any terms or conditions of this permit;

2. obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

3. change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge.

B. Pursuant to rule 3745-33-06, Ohio Administrative Code, the permittee may at any time apply to the Ohio EPA for modification of any part of this permit. The filing of a request by the permittee for a permit modification or revocation does not stay any permit condition. The application for modification should be received by the appropriate Ohio EPA district office at least ninety days before the date on which it is desired that the modification become effective. The application shall be made only on forms approved by the Ohio EPA.

19. TRANSFER OF OWNERSHIP OR CONTROL

This permit cannot be transferred or assigned nor shall a new owner or successor be authorized to discharge from this facility, until the following requirements are met:

A. The permittee shall notify the succeeding owner or successor of the existence of this permit by a letter, a copy of which shall be forwarded to the appropriate Ohio EPA district office. The copy of that letter will serve as the permittee's notice to the Director of the proposed transfer. The copy of that letter shall be received by the appropriate Ohio EPA district office sixty days prior to the proposed date of transfer;

B. A written agreement containing a specific date for transfer of permit responsibility and coverage between the current and new permittee (including acknowledgement that the existing permittee is liable for violations up to that date, and that the new permittee is liable for violations from that date on) shall be submitted to the appropriate Ohio EPA district office within sixty days after receipt by the district office of the copy of the letter from the permittee to the succeeding owner;

C. The Director does not exercise his right within thirty days after receipt of the written agreement to notify the current permittee and the new permittee of his or her intent to modify or revoke the permit and to require that a new application be filed; and

D. The new owner or successor receives written confirmation and approval of the transfer from the Director of the Ohio EPA.

At anytime during the sixty (60) day period between notification of the proposed transfer and the effective date of the transfer, the Director may prevent the transfer if he concludes that such transfer will jeopardize compliance with the terms and conditions of the permit.

20. OIL AND HAZARDOUS SUBSTANCE LIABILITY

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

21. SOLIDS DISPOSAL

Collected screenings, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes into waters of the state. For publicly owned treatment works, these shall be disposed of in accordance with the approved Ohio EPA Sludge Management Plan.

22. CONSTRUCTION AFFECTING NAVIGABLE WATERS

This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

23. CIVIL AND CRIMINAL LIABILITY

Except as exempted in the permit conditions on UNAUTHORIZED DISCHARGES or UPSETS, nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

24. STATE LAWS AND REGULATIONS

Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Act.

PART III - GENERAL CONDITIONS (continued)

25. PROPERTY RIGHTS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

26. UPSET

The provisions of 40 CFR Section 122.41(n), relating to "Upset," are specifically incorporated herein by reference in their entirety. For definition of "upset," see Part 1, DEFINITIONS.

27. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

28. SIGNATORY REQUIREMENTS

All applications submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR 122.22(b) and (c).

All reports submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR Section 122.22(b) and (c).

29. OTHER INFORMATION

A. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

B. ORC 6111.99 provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $25,000 per violation.

C. ORC 6111.99 states that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $25,000 per violation.

D. ORC 6111.99 provides that any person who violates Sections 6111.04, 6111.042., 6111.05., or division (A) of Section 6111.07 of the Revised Code shall be fined not more than twenty-five thousand dollars or imprisoned not more than one year, or both.

30. NEED TO HALT OR REDUCE ACTIVITY

40 CFR 122.41(c) states that it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with conditions of this permit.

31. APPLICABLE FEDERAL RULES

All references to 40 CFR in this permit mean the version of 40 CFR which is effective as of the effective date of this permit.

OhioEPA
State of Ohio Environmental Protection Agency

P.O. Box 163669, 1800 WaterMark Dr.
Columbus, Ohio 43216-3669
(614) 644-3020
FAX (614) 644-2329

George V. Voinovich
Governor

October 17, 1994

Re: Ohio EPA Permit No. 2PD00004*JD

Mayor and Council
City of Clyde
222 North Main Street
Clyde, Ohio 43410

11/3/94

Ladies and Gentlemen:

We propose to make to following minor modifications to the above referenced permit.

| Page | Correction |
|---|---|
| 4 | The introductory paragraph for the effluent table should have stated "During the period beginning on April 17, 1996 . . .", not During the period beginning on the effective date . . .". |
| 10 | Change the effective date in Item C. of the Schedule of Compliance from September 1, 1997 to November 1, 1996. |

If you consent to these changes, please sign below and incorporate the corrected pages into your permit. The proposed minor modifications will become effective on the date we receive this signed letter from you at the following address: Ohio Environmental Protection Agency, Division of Surface Water, Permit Administration Section, P. O. Box 1049, Columbus, Ohio 43266-0149.

Sincerely,

Martha D. Spurbeck, Supervisor
Permit Processing Unit
Division of Surface Water

MDS/ph

Enclosure

CERTIFIED MAIL

RECEIVED
NOV 07 1994
PERMIT SECTION
EPA, REGION V

*I consent to the minor modification.*

V Name

City Manager
Title

10-21-94
Date

Ohio Environmental Protection Agency
Modification of National Pollutant Discharge
Elimination System (NPDES) Permit

Issue Date: November 1, 1994 Existing Permit No.: 2PD00004*JD

Effective Date: January 2, 1995 Application No.: OH0024686

Entity Name: City of Clyde WWTP

Facility Location: 749 West McPherson Highway, Clyde, Ohio, Sandusky County

In accordance with Rule 3745-33-06 of the Ohio Administrative Code (formerly Ohio EPA Regulation EP-31-06), the above referenced NPDES Permit is hereby modified as follows:

| Page | Revision |
|---|---|
| M2 | Revised ** footnote from "Items J and K" to "Items I and K". |
| M4 | Revised ** footnote from "Items J and K" to "Items I and K". |
| M13 | Deleted Item J from Part II, OTHER REQUIREMENTS. |

Attached are the modified pages to the NPDES permit.

All terms and conditions of the existing permit not recommended for modification by this document will remain in effect. Any modified term or condition contained in this modification shall supersede, on the date this modification is effective, the existing respective term or condition of the permit.

When the modification is effective, the Ohio EPA permit number will be changed to 2PD00004*KD. The application number will remain OH0024686.

Donald R. Schregardus
Director

Form EPA 4439

Part I, A. - **INTERIM EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

1. During the period beginning on the effective date of this permit and lasting until April 17, 1996, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall: 2PD00004001. See Part II, **OTHER REQUIREMENTS**, for locations of effluent sampling.

| EFFLUENT CHARACTERISTIC | | | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS | |
|---|---|---|---|---|---|---|---|---|
| | | | Concentration Specified Units | | Loading kg/day | | | |
| Reporting Code | Units | Parameter | 30 day | 7 day | 30 day | 7 day | Meas. Freq. | Sample Type |
| 00010 | °C | Water Temperature | - | - | - | - | Daily | Continuous (Max. Ind. Therm) |
| 00530 | mg/l | Total Suspended Solids | | | | | | |
| | | (Summer) | 12 | 18 | 86 | 130 | 3/Week | Composite |
| | | (Winter) | 30 | 45 | 216 | 324 | 3/Week | Grab |
| 00556 | mg/l | Oil and Grease | Not to exceed 10 at any time | | | | 1/Week | Grab |
| 00610 | mg/l | Nitrogen, Ammonia ($NH_3$) | | | | | | |
| | | (Summer) | 1.0 | 1.5 | 7.2 | 11 | 3/Week | Composite |
| | | (Winter) | 3.0 | 4.5 | 22 | 32 | 3/Week | Composite |
| 00665 | mg/l | Phosphorus, Total (P) | 1.0 | 1.5 | 7.2 | 11 | 3/Week | Composite |
| 31616 | #/100ml | Fecal Coliform (Summer Only) | 1000 | 2000 | - | - | 3/Week | Grab |
| 50050 | MGD | Flow Rate | - | - | - | - | Daily | Continuous |
| 80082 | mg/l | $CBOD_5$ | | | | | | |
| | | (Summer) | 8 | 12 | 58 | 86 | 3/Week | Composite |
| | | (Winter) | 25 | 40 | 180 | 288 | 3/Week | Composite |

2. The pH (Reporting Codes 00402 (minimum) and 00401 (maximum) shall not be less than 6.5 S.U. nor greater than 9.0 S.U. and shall be monitored by multiple grab and reported daily.

3. If the entity uses chlorine for disinfection, the Chlorine Residual shall be mantained at a level not to exceed 0.019 mg/l and shall be monitored daily by multiple grab sample. (Summer Only)**

4. The Dissolved Oxygen (Reporting Code 00300) shall be maintained at a level of not less than 5.0 mg/l (winter) and 7.0 mg/l (Summer) and shall be monitored daily by multiple grab sample.

* The average effluent loading limitations are established using the following flow value: 1.9 MGD.
** See Part II, Items I and K.

Part II, OTHER REQUIREMENTS

Monitoring data shall be submitted for each month when discharge occurs. When discharge occurs, the monthly monitoring report shall be attached to the normal monthly report form (EPA-4500).

The sewer system shall be operated/maintained in such a manner as necessary to minimize impacts to the receiving stream resulting from combined sewer overflows. The permittee shall utilize the following technology to minimize such impacts:

1) provide proper operation and maintenance programs for the sewer system and combined sewer overflow points;
2) provide maximum use of the collection system for storage prior to allowing overflows;
3) review and modify pretreatment program;
4) maximize flow to the POTW for treatment;
5) prohibit dry weather overflows; and
6) control solid and floatable materials in the combined sewer overflow discharge.

G. Composite samples shall be comprised of a series of grab samples collected over a 24-hour period and proportionate in volume to the sewage flow rate at the time of sampling. Such samples shall be collected at such times and locations, and in such a fashion, as to be representative of the facility's overall performance.

H. Grab samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's performance.

I. Multiple grab samples shall be comprised of at least three grab samples collected at intervals of at least three hours during the period that the plant is staffed on each day for sampling. Samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's overall performance. The critical value shall be reported.

J. DELETED

K. Effluent disinfection is not directly required, however, the entity is required to meet all applicable discharge permit limits. If disinfection facilities exist, they shall be maintained in an operable condition. Any design of wastewater treatment facilities should provide for the capability to install disinfection if required at a future time. Disinfection may be required if future bacteriological studies or emergency conditions indicate the need.

EXHIBIT B

72/NW

Application No. OH0024686

Issue Date: September 19, 1997

Effective Date: November 1, 1997

Expiration Date: March 31, 2002

# Ohio Environmental Protection Agency
# Authorization to Discharge Under the
# National Pollutant Discharge Elimination System

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as the "Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Section 6111),

**City of Clyde**

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the wastewater treatment works located at 749 West McPherson Highway, Clyde, Ohio, Sandusky County,

and discharging to Raccoon Creek

in accordance with the conditions specified in Parts I, II, and III of this permit.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.

Donald R. Schregardus
Director

Part I, A. - **FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 2PD00004001. See Part II, **OTHER REQUIREMENTS**, for locations of effluent sampling.

| EFFLUENT CHARACTERISTIC | | | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS | |
|---|---|---|---|---|---|---|---|---|
| | | | Concentration Specified Units | | Loading kg/day | | | |
| Reporting Code | Units | Parameter | 30 day | 7 day | 30 day | 7 day | Meas. Freq. | Sample Type |
| 00010 | °C | Water Temperature | - | - | - | - | Daily | Continuous (Max. Ind. Therm.) |
| 00530 | mg/l | Total Suspended Solids | | | | | | |
| | | (Summer) | 12 | 18 | 86 | 130 | 3/Week | Composite |
| | | (Winter) | 30 | 45 | 216 | 324 | 3/Week | Composite |
| 00556 | mg/l | Oil and Grease | Not to exceed 10 at any time | | | | 1/Week | Grab |
| 00610 | mg/l | Nitrogen, Ammonia ($NH_3$) | | | | | | |
| | | (Summer) | 1.0 | 1.5 | 7.2 | 11 | 3/Week | Composite |
| | | (Winter) | 3.0 | 4.5 | 22 | 32 | 3/Week | Composite |
| 00665 | mg/l | Phosphorus, Total (P) | 1.0 | 1.5 | 7.2 | 11 | 3/Week | Composite |
| 31616 | #/100ml | Fecal Coliform (Summer Only) | 1000 | 2000 | - | - | 3/Week | Grab |
| 50050 | MGD | Flow | - | - | - | - | Daily | Continuous |
| 80082 | mg/l | $CBOD_5$ | | | | | | |
| | | (Summer) | 8 | 12 | 58 | 86 | 3/Week | Composite |
| | | (Winter) | 25 | 40 | 180 | 288 | 3/Week | Composite |

2. The pH (Reporting Codes 00402 (minimum) and 00401 (maximum)) shall not be less than 6.5 S.U. nor greater than 9.0 S.U. and shall be monitored multi-grab and reported daily.

3. If the entity uses chlorine for disinfection, the Chlorine Residual (Reporting Code 50060) shall be maintained at a level not to exceed 0.019 mg/l and shall be monitored daily by multi-grab sample. (Summer only)**

4. The Dissolved Oxygen (Reporting Code 00300) shall be maintained at a level of not less than 5.0 mg/l (winter) and 7.0 mg/l (summer) mg/l and shall be monitored daily by multiple grab sample.

* The average effluent loading limitations are established using the following flow value: 1.9 MGD.

** See Part II, Item J, K.

Part I, A. - **FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

5. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 2PD00004001. See Part II, **OTHER REQUIREMENTS**, for locations of effluent sampling.

| EFFLUENT CHARACTERISTIC | | | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS | |
|---|---|---|---|---|---|---|---|---|
| | | | Concentration Specified Units | | Loading kg/day | | | |
| Reporting Code | Units | Parameter | 30 day | Daily Max. | 30 day | Daily Max. | Meas. Freq. | Sample Type |
| 00335 | mg/l | COD | - | - | - | - | 1/Week | Composite** |
| 00625 | mg/l | Nitrogen, Total Kjeldahl | - | - | - | - | 1/Month | Composite** |
| 01074 | µg/l | Nickel, Total Recoverable | - | - | - | - | 1/Month | Composite** |
| 01079 | µg/l | Silver, Total Recoverable | 1.4 | 8.7 | 0.01 | 0.063 | 1/Month | Composite** |
| 01094 | µg/l | Zinc, Total Recoverable | 250 | 274 | 1.8 | 1.97 | 1/Month | Composite** |
| 01113 | µg/l | Cadmium, Total Recoverable | - | - | - | - | 1/Month | Composite** |
| 01114 | µg/l | Lead, Total Recoverable | - | - | - | - | Quarterly | Composite** |
| 01118 | µg/l | Chromium, Total Recoverable | - | - | - | - | Quarterly | Composite** |
| 01119 | µg/l | Copper, Total Recoverable | 30 | 49 | 0.22 | 0.35 | 1/Month | Composite** |
| 01220 | µg/l | Chromium, Dissolved Hexavalent | 11 | 15 | 0.080 | 0.11 | 1/Month | Grab*** |
| 61426 | TUc | Chronic Toxicity, Ceriodaphnia dubia | - | 1.0 | - | - | See Part II, U. | |
| 61428 | TUc | Chronic Toxicity, Pimephales promelas | - | 1.0 | - | - | See Part II, U. | |
| 99993 | µg/l | Mercury, Total | 0.013 | 1.1 | 0.00010 | 0.008 | 1/Month | Composite** |
| 99995 | mg/l | Cyanide, Free | - | - | - | - | 1/Month | Grab*** |

* The average effluent loading limitations are established using the following flow value: 1.9 MGD.
** See Part II, Item G. and O.
*** See Part II, Item O.

Part I, B. - **ADDITIONAL MONITORING REQUIREMENTS**

1. Influent Monitoring. The permittee shall monitor the treatment works' influent wastewater at Station Number 2PD00004601, and report to the Ohio EPA in accordance with the following table. Samples of influent used for determination of net values or percent removal must be taken the same day as those samples of effluent used for that determination. See Part II, **OTHER REQUIREMENTS**, for location of influent sampling.

| CHARACTERISTIC Reporting Code | Units | Parameter | MONITORING REQUIREMENTS Measurement Frequency | Sample Type |
|---|---|---|---|---|
| 00010 | °C | Water Temperature | Daily | Continuous (Max.Ind. Therm.) |
| 00400 | S.U. | pH | Daily | Multiple Grab |
| 00530 | mg/l | Total Suspended Solids | 3/Week | Composite* |
| 00625 | mg/l | Nitrogen, Total Kjeldahl | 1/Month | Composite* |
| 01074 | µg/l | Nickel, Total Recoverable | 1/Month | Composite* |
| 01079 | µg/l | Silver, Total Recoverable | 1/Month | Composite* |
| 01094 | µg/l | Zinc, Total Recoverable | 1/Month | Composite* |
| 01113 | µg/l | Cadmium, Total Recoverable | 1/Month | Composite* |
| 01114 | µg/l | Lead, Total Recoverable | 1/Month | Composite* |
| 01118 | mg/l | Chromium, Total Recoverable | 1/Month | Composite* |
| 01119 | µg/l | Copper, Total Recoverable | 1/Month | Composite* |
| 01220 | mg/l | Chromium, Dissolved, Hexavalent | 1/Month | Composite* |
| 80082 | mg/l | $CBOD_5$ | 3/Week | Composite |
| 99993 | µg/l | Mercury, Total | 1/Month | Composite* |
| 99996 | mg/l | Cyanide, Total | 1/Month | Composite* |

* See Part II, Item O.

Part I, B. - **ADDITIONAL MONITORING REQUIREMENTS**

2. Upstream and Downstream. The permittee shall monitor the receiving stream, upstream of the point of discharge at Station Number 2PD00004801, and downstream of the point of discharge at Station Number 2PD00004901, and report to the Ohio EPA in accordance with the following table. See Part II, **OTHER REQUIREMENTS**, for location of sampling.

| CHARACTERISTIC | | | MONITORING REQUIREMENTS | |
|---|---|---|---|---|
| Reporting Code | Units | Parameter | Measurement Frequency | Sample Type |
| 00010 | °C | Water Temperature | 1/Week | Grab |
| 00300 | mg/l | Dissolved Oxygen | 1/Week | Grab |
| 00400 | S.U. | pH | 1/Week | Grab |
| 00610 | mg/l | Nitrogen, Ammonia ($NH_3$) | 1/Week | Grab |
| 31616 | #/100ml | Fecal Coliform (Summer Only) | 1/Week | Grab |
| 50060 | mg/l | Chlorine, Total Residual (Summer Only) | 1/Week | Grab |
| 80082 | mg/l | $CBOD_5$ | 1/Week | Grab |

Part I, B. - **ADDITIONAL MONITORING REQUIREMENTS**

3. Sludge. The permittee shall monitor the treatment works' final sludge at Station Number 2PD00004581, and report to the Ohio EPA in accordance with the following table. See Part II, **OTHER REQUIREMENTS**, for location of sludge sampling.

| CHARACTERISTIC | | | MONITORING REQUIREMENTS* | |
|---|---|---|---|---|
| Reporting Code | Units** | Parameter | Measurement Frequency | Sample Type |
| 00627 | mg/kg | Nitrogen, Total Kjeldahl | 1/Month | Composite |
| 01003 | mg/kg | Arsenic | 1/Quarter | Composite |
| 01028 | mg/kg | Cadmium | 1/Month | Composite |
| 01029 | mg/kg | Chromium | 1/Month | Composite |
| 01043 | mg/kg | Copper | 1/Month | Composite |
| 01052 | mg/kg | Lead | 1/Month | Composite |
| 01068 | mg/kg | Nickel | 1/Month | Composite |
| 01093 | mg/kg | Zinc | 1/Month | Composite |
| 01148 | mg/kg | Selenium | 1/Quarter | Composoite |
| 70316 | Dry Tons | Sludge Weight*** | Daily | Total |
| 70318 | % | Sludge Solids, Percent Total | Daily | Grab |
| 70322 | % | Sludge Solids, Percent Volatile | Daily | Grab |
| 71921 | mg/kg | Mercury | 1/Month | Composite |
| 78465 | mg/kg | Molybdenum | 1/Quarter | Composite |

See Part II, Item R.

* When sludge is removed from the wastewater treatment facility and disposed of by land application. If no sludge is removed during month, leave data area blank and enter "No sludge removed during month" in the "Additional Remarks" section (signature still required).
** Units of mg/kg on dry weight basis.
*** Calculated total for the sampling period.

Part I, C. **Schedule of Compliance**

1. Within 24 months of the effective date of this permit or by November 1, 1999, the permittee shall develop and submit to the Northwest District Office for approval two copies of a plan that evaluates sanitary sewer extensions tributary to combined sewer overflows or bypasses located at the wastewater treatment plant. If the contents of the plan are subject to review under 3745-1-05 (antidegradation), the plan will be public noticed as required in Section C of 3745-1-05. The plan shall provide the following information:

   A. Identifies specific geographic areas tributary to combined sewer overflows or bypasses located at the wastewater treatment plant to which the permittee plans to extend sanitary sewer service;

   B. Determines the dry weather flow capacities of the sewers and interceptors that will receive the increased flow;

   C. Determines the existing dry weather flow in the sewers and interceptors that will receive the increased flow;

   D. Defines how much additional dry weather, sanitary flow is planned in the sewers and interceptors;

   E. Predicts increases in frequency, duration, volume and pollutant loads from wet weather combined sewer overflows that will result from increasing the dry weather flow in the sewers and interceptors;

   F. If there is a bypass at the treatment plant, predicts increases in frequency, duration, volume and pollutant loads from bypasses that will result from the increased base dry weather flow;

   G. Predicts water quality impacts to the receiving stream(s) that will result from increased combined sewer overflows and treatment plant bypasses; and

   H. Evaluates alternatives and proposes control measures that would eliminate increases in combined sewer overflows, treatment plant bypasses, and adverse water quality impacts.

   I. New flows and loads will be allowed up-pipe of a CSO, without further review, if there will be no overflows between the new connection and the treatment plant until wet weather flows exceed 6 times (6X) the projected average dry weather flow.

   J. The permittee shall propose an implementation schedule based on consideration of the following: the projected time line for construction of sanitary sewer extensions, implementation of CSO controls under an existing long-term control plan, the relative magnitude of projected adverse impacts on water quality standards and designated uses, the permittee's financial capability, the relative cost/performance evaluations of individual projects, and previous efforts to control CSOs.

Part I, C. **Schedule of Compliance** (Continued)

K. When submitted, the plan shall be accompanied by a completed antidegradation addendum. To meet the information submittal requirements of antidegradation, the plan shall include data and information that allow for the examination of control alternatives, a review of the social and economic issues related to the plan, and fulfill other requirements of 3745-1-05(B)(2)(a) - (g). If implementation of the plan results in site-specific lowering of water quality, the director shall consider OAC 3745-1-05(C)(6)(a) - (m) when making a determination regarding the plan.

Based on Ohio EPA's review and consideration of public comments, the sanitary flow increases from the specific geographic areas included in the approved plan may be authorized without antidegradation review during the Permit To Install process. Sanitary sewer extensions to areas not covered in the approved plan are subject to antidegradation review during the PTI process.

Part II, **OTHER REQUIREMENTS**

A. The wastewater treatment works must be under supervision of a Class III State certified operator as required by rule 3745-7-02 of the Ohio Administrative Code.

B. The plant must be staffed and operated in accordance with the Ohio EPA approved Operation and Maintenance Manual.

C. Description of the location of the required sampling stations are as follows:

| Sampling Station | Description of Location |
|---|---|
| 2PD00004001 | Final Effluent (Lat: 41° 19' 12"; Long: 82° 59' 24") |
| 2PD00004581 | Sludge |
| 2PD00004601 | Influent |
| 2PD00004801 | Upstream |
| 2PD00004901 | Downstream |

D. All parameters, except flow, need not be monitored on days when the plant is not normally staffed (Saturdays, Sundays, and Holidays). On those days, report "AN" on the monthly report form.

E. The permittee is authorized to discharge from the following overflows only during wet weather periods when the flow in the sewer system exceeds the capacity of the sewer system. See Part II, Item F for monitoring and reporting requirements. Also see Part III, Item 11.

| Station Number | Description | Receiving Stream |
|---|---|---|
| 2PD00004003 | McPherson Highway Regulator | Racoon Creek |
| 2PD00004005 | Spring Street Regulator | Racoon Creek |
| 2PD00004006 | Vine Street Regulator | Racoon Creek |
| 2PD00004008 | Buckeye Gate Valve | Racoon Creek |

F. The permittee shall monitor the system overflows at stations 2PD00004003 through 2PD00004005, 2PD00004006, and 2PD00004008 and report to the Ohio EPA in accordance with the following table:

| CHARACTERISTIC | | | MONITORING REQUIREMENTS | |
|---|---|---|---|---|
| Reporting Code | Units | Parameter | Measurement Frequency | Sample Type |
| 00530 | mg/l | Suspended Solids | 1/Month | Grab |
| 50050 | Million Gallons | Volume | When discharging | Daily Est. |
| 80082 | mg/l | $CBOD_5$ | 1/Month | Grab |
| 80998 | Number/Month | Occurrences | When discharging | Estimate |
| 80999 | Hours | Duration | When discharging | Daily Est. |

The permittee shall set up a rotating schedule to sample at least five (5) stations during each storm event. Samples should be collected during the first 30 minutes of discharge.

Data for the number of occurrence(s) per day, the daily duration, and the total daily flow may be estimated.

Part II, **OTHER REQUIREMENTS**

Monitoring data shall be submitted for each month when discharge occurs. When discharge occurs, the monthly monitoring report shall be attached to the normal monthly report form (EPA-4500).

The sewer system shall be operated/maintained in such a manner as necessary to minimize impacts to the receiving stream resulting from combined sewer overflows. The permittee shall utilize the following technology to minimize such impacts:

1) provide proper operation and maintenance programs for the sewer system and combined sewer overflow points;
2) provide maximum use of the collection system for storage prior to allowing overflows;
3) maximize flow to the POTW for treatment;
4) prohibit dry weather overflows; and
5) control solid and floatable materials in the combined sewer overflow discharge.

G. Composite samples shall be comprised of a series of grab samples collected over a 24-hour period and proportionate in volume to the sewage flow rate at the time of sampling. Such samples shall be collected at such times and locations, and in such a fashion, as to be representative of the facility's overall performance.

H. Grab samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's performance.

I. Multiple grab samples shall be comprised of at least three grab samples collected at intervals of at least three hours during the period that the plant is staffed on each day for sampling. Samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's overall performance. The critical value shall be reported.

J. Multiple grab samples for chlorine residual shall be comprised of hourly grab samples during the period that the plant is staffed on each day of sampling. Samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's overall performance. The critical value shall be reported.

K. Effluent disinfection is not directly required, however, the entity is required to meet all applicable discharge permit limits. If disinfection facilities exist, they shall be maintained in an operable condition. Any design of wastewater treatment facilities should provide for the capability to install disinfection if required at a future time. Disinfection may be required if future bacteriological studies or emergency conditions indicate the need.

Part II, **OTHER REQUIREMENTS**

L. The parameters listed below have had effluent limitations established that are below the practical quantification level (PQL) of the 40 CFR 136 promulgated analytical procedures for those parameters. In accordance with ORC 6111.13, if a discharge limit is set below the PQL, any analytical result reported at or below the PQL shall be considered to be in compliance with that limit. All analytical results, even those below the PQL, shall be reported. Analytical results below the method detection limit shall be reported as below detection using reporting code "AA".

| Parameter | PQL |
|---|---|
| Total Residual Chlorine | 0.060 mg/l |
| Total Mercury | 1.0 µg/l |

M. POTWs that accept hazardous wastes by truck, rail, or dedicated pipeline are considered to be hazardous waste treatment, storage, and disposal facilities (TSDFs) and are subject to regulation under the Resource Conservation and Recovery Act (RCRA). Under the "permit-by-rule" regulation found at 40 CFR 270.60(c), a POTW must 1) comply with all conditions of its NPDES permit, 2) obtain a RCRA ID number and comply with certain manifest and reporting requirements under RCRA, 3) satisfy corrective action requirements, and 4) meet all federal, state, and local pretreatment requirements.

N. Final permit limitations based on preliminary or approved waste load allocations are subject to change based on modifications to or finalization of the allocation or report or changes to Water Quality Standards. Monitoring requirements and/or special conditions of this permit are subject to change based on regulatory or policy changes.

O. Sampling for these parameters at station 2PD00004001 and 2PD00004601 shall occur the same day.

P. Sampling at station 2PD00004001 for these parameters shall occur one detention time (the time takes for a volume of water to travel through the treatment plant) after sampling at station 2PD00004601 for the same parameters on the same day.

Q. Sampling at station 2PD00004601 for these parameters shall occur the detention time (the time it takes for a volume of water to travel through the treatment plant) prior to sampling at station 2PD00004001 for the same parameters on the same day.

R. Not later than January 31 of each calendar year, the permittee shall submit two (2) copies of a report summarizing the sludge disposal and/or reuse activities of the facility during the previous year. One copy of the report shall be sent to the Ohio EPA, Division of Surface Water, Central Office, and one copy of the report shall be sent to the Northwest District Office. This report shall address:
   1) Amount of sludge disposed of/reused in dry tons.
   2) Method(s) of disposal/reuse.
   3) Summary of all analyses made on the sludge, including any priority pollutant scans that may have been performed. (If a priority pollutant scan has been conducted as a part of the pretreatment program, the most recent analysis should be submitted.)
   4) Problems encountered including any complaints received. The cause or reason for the problem and corrective actions taken to solve the problem should also be included. Any incidents of interference with the method of sludge disposal shall be identified, along with the cause of interference (i.e., excessive metals concentration, contaminated sludge, etc.) and the corrective actions taken.

Part II, **OTHER REQUIREMENTS (Continued)**

S. It is understood by Ohio EPA that, at the time permit 2PD00004*JD becomes effective, the analytical technology does not exist to evaluate compliance with the mercury effluent limitations contained in the permit. The permittee must utilize the best available analytical technology currently approved under 40 CFR 136 for monitoring this parameter. As long as the permittee complies with the previous provision, Ohio EPA will consider all analytical results properly reported as below detection to be zeros for compliance and enforcement purposes.

If approval for an analytical procedure with a lower method detection level is promulgated during the period when this permit is effective, the permittee shall, within twelve months after promulgation, adopt the improved procedure for monitoring compliance with the mercury effluent limitations contained in the permit. During this twelve month interim period, the permittee shall perform analyses utilizing both the improved procedure and the previous procedure for comparison purposes while reporting only the results of the previous procedure for compliance purposes. Utilization of both types of analyses shall begin within six months of promulgation of the improved procedure, allowing a six month evaluation period.

T. It is understood by Ohio EPA that, at the time permit 2PD00004*JD becomes effective, an analytical method is not approved under 40 CFR 136 to evaluate compliance with the free cyanide effluent limitations contained in the permit. The permittee shall utilize method 4500-CN I contained in the 17th edition of Standard Methods (method 412H, 18th edition) until U.S. EPA promulgates a method for analyzing free cyanide under 40 CFR 136.

U. **Biomonitoring Program Requirements**

General Requirements

All toxicity testing conducted as required by this permit shall be done in accordance with Reporting and Testing Guidance for Biomonitoring Required by the Ohio Environmental Protection Agency (hereinafter, the "biomonitoring guidance"), Ohio EPA, 1991 (or current revision). The Standard Operating Procedures (SOP) or verification of SOP submittal, as described in Section 1.B. of the biomonitoring guidance, shall be submitted no later than three months after the effective date of this permit. If the laboratory performing the testing has modified its protocols, a new SOP is required.

Testing Requirements

1. Chronic Bioassays

The permittee shall conduct semi-annual chronic toxicity tests using *Ceriodaphnia dubia* and fathead minnows (*Pimephales promelas*) on effluent samples from outfall 2PD00004001. These tests shall be conducted as specified in Section 3 of the biomonitoring guidance. Acute endpoints, as described in Section 2.H. of the biomonitoring guidance, shall be determined from the chronic test results.

Part II, OTHER REQUIREMENTS (Continued)

2. Data Review

Following completion of each semi-annual bioassay requirement, the permittee shall report results of the tests in accordance with Sections 3.H.1. and 3.H.2.b. of the biomonitoring guidance. Ohio EPA will evaluate the results in order to judge compliance with the whole effluent toxicity limitations of 1 $TU_c$ at outfall 2PD00004001. In addition, this permit may be modified to require additional biomonitoring or to require further investigation of toxicity.

b. Definitions

$$TU_c = \text{Chronic Toxic Units} = \frac{100}{\text{square root of (NOEC x LOEC)}}$$

**PART III - GENERAL CONDITIONS**

1. DEFINITIONS

"daily load limitations" is the total discharge by weight during any calendar day. If only one sample is taken during a day, the weight of pollutant discharge calculated from it is the daily load.

"daily concentration limitation" means the arithmetic average (weighted by flow) of all the determinations of concentration made during the day. If only one sample is taken during the day, its concentration is the daily concentration. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"7-day load limitation" is the total discharge by weight during any 7-day period divided by the number of days in that 7-day period that the facility was in operation. If only one sample is taken in a 7-day period, the weight of pollutant discharge calculated from it is the 7-day load. If more than one sample is taken during the 7-day period, the 7-day load is calculated by determining the daily load for each day sampled, totaling the daily loads for the 7-day period, and dividing by the number of days sampled.

"7-day concentration limitation" means the arithmetic average (weighted by flow) of all the determinations of daily concentration limitation made during the 7-day period. If only one sample is taken during the 7-day period, its concentration is the 7-day concentration limitation for that 7-day period. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"30-day load limitation" is the total discharge by weight during any 30-day period divided by the number of days in the 30-day period that the facility was in operation. If only one sample is taken in a 30-day period, the weight of pollutant discharge calculated from it is the 30-day load. If more than one sample is taken during one 30-day period, the 30-day load is calculated by determining the daily load for each day sampled, totaling the daily loads for the 30-day period and dividing by the number of days sampled.

"30-day concentration limitation" means the arithmetic average (weighted by flow) of all the determinations of daily concentration made during the 30-day period. If only one sample is taken during the 30-day period, its concentration is the 30-day concentration for that 30-day period. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"85 percent removal limitations" means the arithmetic mean of the values for effluent samples collected in a period of 30 consecutive days shall not exceed 15 percent of the arithmetic mean of the values for influent samples collected at approximately the same times during the same period.

"Absolute Limitations". Compliance with limitations having descriptions of "shall not be less than," "nor greater than," "shall not exceed," "minimum," or "maximum" shall be determined from any single value for effluent samples and/or measurements collected.

"Net concentration" shall mean the difference between the concentration of a given substance in a sample taken of the discharge and the concentration of the same substances in a sample taken at the intake which supplies water to the given process. For the purpose of this definition, samples that are taken to determine the net concentration shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"Net load" shall mean the difference between the load of a given substance as calculated from a sample taken of the discharge and the load of the same substance in a sample taken at the intake which supplies water to given process. For purposes of this definition, samples that are taken to determine the net loading shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"MGD" means million gallons per day.

"mg/l" means milligrams per liter.

"µg/l" means micrograms per liter.

"Reporting Code" is a five digit number used by the Ohio EPA in processing reported data. The reporting code does not imply the type of analysis used nor the sampling techniques employed.

"Quarterly sampling frequency" means the sampling shall be done in the months of March, June, August, and December.

"Yearly sampling frequency" means the sampling shall be done in the month of September.

"Semi-annual sampling frequency" means the sampling shall be done during the months of June and December.

"Winter" shall be considered to be the period from November 1 through April 30.

"Bypass" means the intentional diversion of waste streams from any portion of the treatment facility.

"Summer" shall be considered to be the period from May 1 through October 31.

"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

**PART III - GENERAL CONDITIONS (continued)**

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

2. GENERAL EFFLUENT LIMITATIONS

The effluent shall, at all times, be free of substances:

A. In amounts that will settle to form putrescent, or otherwise objectionable, sludge deposits; or that will adversely affect aquatic life or water fowl;

B. Of an oily, greasy, or surface-active nature, and of other floating debris, in amounts that will form noticeable accumulations of scum, foam or sheen;

C. In amounts that will alter the natural color or odor of the receiving water to such degree as to create a nuisance;

D. In amounts that either singly or in combination with other substances are toxic to human, animal, or aquatic life;

E. In amounts that are conducive to the growth of aquatic weeds or algae to the extent that such growths become inimical to more desirable forms of aquatic life, or create conditions that are unsightly, or constitute a nuisance in any other fashion;

F. In amounts that will impair designated instream or downstream water uses.

3. FACILITY OPERATION AND QUALITY CONTROL

All wastewater treatment works shall be operated in a manner consistent with the following:

A. At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with conditions of the permit.

B. The permittee shall effectively monitor the operation and efficiency of treatment and control facilities and the quantity and quality of the treated discharge.

C. Maintenance of wastewater treatment works that results in degradation of effluent quality shall be scheduled during non-critical water quality periods and shall be carried out in a manner approved by the Ohio EPA as specified in the Paragraph in this PART III entitled, "UNAUTHORIZED DISCHARGES".

4. REPORTING

A. Monitoring data required by this permit shall be reported on the Ohio EPA report form (4500) on a monthly basis. Individual reports for each sampling station for each month are to be received no later than the 15th day of the next month. The original plus first copy of the report form must be signed and mailed to:

Ohio Environmental Protection Agency
Division of Surface Water
Enforcement Section, ES/MOR
P.O. Box 1049
Columbus, Ohio 43266-0149

B. If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified below, the results of such monitoring shall be included in the calculation and reporting of the values required in the reports specified above.

C. Analyses of pollutants not required by this permit, except as noted in the preceding paragraph, shall not be reported on Ohio EPA report form (4500) but records shall be retained as specified in the paragraph entitled "RECORDS RETENTION".

5. SAMPLING AND ANALYTICAL METHODS

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored flow. Test procedures for the analysis of pollutants shall conform to regulation 40 CFR 136, "Test Procedures For The Analysis of Pollutants" unless other test procedures have been specified in this permit. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to insure accuracy of measurements.

PART III - GENERAL CONDITIONS (continued)

6. RECORDING OF RESULTS

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

A. The exact place and date of sampling; (time of sampling not required on EPA 4500)

B. The person(s) who performed the sampling or measurements;

C. The date the analyses were performed on those samples;

D. The person(s) who performed the analyses;

E. The analytical techniques or methods used; and

F. The results of all analyses and measurements.

7. RECORDS RETENTION

The permittee shall retain all of the following records for the wastewater treatment works for a minimum of three years, including:

A. All sampling and analytical records (including internal sampling data not reported);

B. All original recordings for any continuous monitoring instrumentation;

C. All instrumentation, calibration and maintenance records;

D. All plant operation and maintenance records;

E. All reports required by this permit; and

F. Records of all data used to complete the application for this permit for a period of at least three years from the date of the sample, measurement, report, or application.

These periods will be extended during the course of any unresolved litigation, or when requested by the Regional Administrator or the Ohio EPA. The three year period for retention of records shall start from the date of sample, measurement, report, or application.

8. AVAILABILITY OF REPORTS

Except for data determined by the Ohio EPA to be entitled to confidential status, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate district offices of the Ohio EPA. Both the Clean Water Act and Section 6111.05 Ohio Revised Code state that effluent data and receiving water quality data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Ohio Revised Code Section 6111.99.

9. DUTY TO PROVIDE INFORMATION

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

10. RIGHT OF ENTRY

The permittee shall allow the Director, or an authorized representative upon presentation of credentials and other documents as may be required by law to;

A. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.

B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.

C. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit.

D. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

11. UNAUTHORIZED DISCHARGES

A. Bypassing or diverting of wastewater from the treatment works is prohibited unless:

1. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

PART III - GENERAL CONDITIONS (continued)

2. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of downtime. This condition is not satisfied if adequate back up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

3. The permittee submitted notices as required under paragraph D. of this section.

B. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.

C. The Director may approve an unanticipated bypass, after considering its adverse effects, if the Director determines that it has met the three conditions listed in paragraph 11.A. of this section.

D. The permittee shall submit notice of an unanticipated bypass as required in section 12 (one hour notice).

E. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded if that bypass is for essential maintenance to assure efficient operation.

12. NONCOMPLIANCE NOTIFICATION

A. The permittee shall by telephone report any of the following within twenty-four (24) hours of discovery at (toll free) 1-800-282-9378:

1. Any noncompliance which may endanger health or the environment;

2. Any unanticipated bypass which exceeds any effluent limitation in the permit; or

3. Any upset which exceeds any effluent limitation in the permit.

4. Any violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit.

B. For the telephone reports required by Part 12.A., the following information must be included:

1. The times at which the discharge occurred, and was discovered;

2. The approximate amount and the characteristics of the discharge;

3. The stream(s) affected by the discharge;

4. The circumstances which created the discharge;

5. The names and telephone numbers of the persons who have knowledge of these circumstances;

6. What remedial steps are being taken; and

7. The names and telephone numbers of the persons responsible for such remedial steps.

C. These telephone reports shall be confirmed in writing within five days of the discharge and submitted to the appropriate Ohio EPA district office. The report shall include the following:

1. The limitation(s) which has been exceeded;

2. The extent of the exceedance(s);

3. The cause of the exceedance(s);

4. The period of the exceedance(s) including exact dates and times;

5. If uncorrected, the anticipated time the exceedance(s) is expected to continue, and

6. Steps being taken to reduce, eliminate, and/or prevent recurrence of the exceedance(s).

D. Compliance Schedule Events:

If the permittee is unable to meet any date for achieving an event, as specified in the schedule of compliance, the permittee shall submit a written report to the appropriate district office of the Ohio EPA within 14 days of becoming aware of such situation. The report shall include the following:

1. The compliance event which has been or will be violated;

2. The cause of the violation;

3. The remedial action being taken;,

4. The probable date by which compliance will occur; and

PART III - GENERAL CONDITIONS (continued)

5. The probability of complying with subsequent and final events as scheduled.

E. The permittee shall report all instances of noncompliance not reported under paragraphs A, B, or C of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraphs B and C of this section.

F. Where the permittee becomes aware that it failed to submit any relevant application or submitted incorrect information in a permit application or in any report to the director, it shall promptly submit such facts or information.

13. RESERVED

14. DUTY TO MITIGATE

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

15. AUTHORIZED DISCHARGES

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than, or at a level in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit. Such violations may result in the imposition of civil and/or criminal penalties as provided for in Section 309 of the Act and Ohio Revised Code Sections 6111.09 and 6111.99.

16. DISCHARGE CHANGES

The following changes must be reported to the appropriate Ohio EPA district office as soon as practicable.

A. For all treatment works, any significant change in character of the discharge which the permittee knows or has reason to believe has occurred or will occur which would constitute cause for modification or revocation and reissuance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. Notification of permit changes or anticipated noncompliance does not stay any permit condition.

B. For publicly owned treatment works:

1. Any proposed plant modification, addition, and/or expansion that will change the capacity or efficiency of the plant;

2. The addition of any new significant industrial discharge; and

3. Changes in the quantity or quality of the wastes from existing tributary industrial discharges which will result in significant new or increased discharges of pollutants.

C. For non-publicly owned treatment works, any proposed facility expansions, production increases, or process modifications, which will result in new, different, or increased discharges of pollutants.

Following this notice, modifications to the permit may be made to reflect any necessary changes in permit conditions, including any necessary effluent limitations for any pollutants not identified and limited herein. A determination will also be made as to whether a National Environmental Policy Act (NEPA) review will be required. Sections 6111.44 and 6111.45, Ohio Revised Code, require that plans for treatment works or improvements to such works be approved by the Director of the Ohio EPA prior to initiation of construction.

D. In addition to the reporting requirements under 40 CFR 122.41(1) and per 40 CFR 122.42(a), all existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

1. That any activity has occurred or will occur which would result in the discharge on a routine or frequent basis of any toxic pollutant which is not limited in the permit. If that discharge will exceed the highest of the "notification levels" specified in 40 CFR Sections 122.42(a)(1)(i) through 122.42(a)(1)(iv).

2. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the "notification levels" specified in 122.42(a)(2)(i) through 122.42(a)(2)(iv).

17. TOXIC POLLUTANTS

The permittee shall comply with effluent standards or prohibitions established under Section 307 (a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement. Following establishment of such standards or prohibitions, the Director shall modify this permit and so notify the permittee.

**PART III - GENERAL CONDITIONS (continued)**

18. PERMIT MODIFICATION OR REVOCATION

A. After notice and opportunity for a hearing, this permit may be modified or revoked, by the Ohio EPA, in whole or in part during its term for cause including, but not limited to, the following:

1. violation of any terms or conditions of this permit;

2. obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

3. change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge.

B. Pursuant to rule 3745-33-06, Ohio Administrative Code, the permittee may at any time apply to the Ohio EPA for modification of any part of this permit. The filing of a request by the permittee for a permit modification or revocation does not stay any permit condition. The application for modification should be received by the appropriate Ohio EPA district office at least ninety days before the date on which it is desired that the modification become effective. The application shall be made only on forms approved by the Ohio EPA.

19. TRANSFER OF OWNERSHIP OR CONTROL

This permit cannot be transferred or assigned nor shall a new owner or successor be authorized to discharge from this facility, until the following requirements are met:

A. The permittee shall notify the succeeding owner or successor of the existence of this permit by a letter, a copy of which shall be forwarded to the appropriate Ohio EPA district office. The copy of that letter will serve as the permittee's notice to the Director of the proposed transfer. The copy of that letter shall be received by the appropriate Ohio EPA district office sixty days prior to the proposed date of transfer;

B. A written agreement containing a specific date for transfer of permit responsibility and coverage between the current and new permittee (including acknowledgement that the existing permittee is liable for violations up to that date, and that the new permittee is liable for violations from that date on) shall be submitted to the appropriate Ohio EPA district office within sixty days after receipt by the district office of the copy of the letter from the permittee to the succeeding owner;

C. The Director does not exercise his right within thirty days after receipt of the written agreement to notify the current permittee and the new permittee of his or her intent to modify or revoke the permit and to require that a new application be filed; and

D. The new owner or successor receives written confirmation and approval of the transfer from the Director of the Ohio EPA.

At anytime during the sixty (60) day period between notification of the proposed transfer and the effective date of the transfer, the Director may prevent the transfer if he concludes that such transfer will jeopardize compliance with the terms and conditions of the permit.

20. OIL AND HAZARDOUS SUBSTANCE LIABILITY

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

21. SOLIDS DISPOSAL

Collected screenings, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes into waters of the state. For publicly owned treatment works, these shall be disposed of in accordance with the approved Ohio EPA Sludge Management Plan.

22. CONSTRUCTION AFFECTING NAVIGABLE WATERS

This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

23. CIVIL AND CRIMINAL LIABILITY

Except as exempted in the permit conditions on UNAUTHORIZED DISCHARGES or UPSETS, nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

24. STATE LAWS AND REGULATIONS

Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Act.

**PART III - GENERAL CONDITIONS (continued)**

25. PROPERTY RIGHTS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

26. UPSET

The provisions of 40 CFR Section 122.41(n), relating to "Upset," are specifically incorporated herein by reference in their entirety. For definition of "upset," see Part 1, DEFINITIONS.

27. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

28. SIGNATORY REQUIREMENTS

All applications submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR 122.22(b) and (c).

All reports submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR Section 122.22(b) and (c).

29. OTHER INFORMATION

A. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

B. ORC 6111.99 provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $25,000 per violation.

C. ORC 6111.99 states that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $25,000 per violation.

D. ORC 6111.99 provides that any person who violates Sections 6111.04, 6111.042., 6111.05., or division (A) of Section 6111.07 of the Revised Code shall be fined not more than twenty-five thousand dollars or imprisoned not more than one year, or both.

30. NEED TO HALT OR REDUCE ACTIVITY

40 CFR 122.41(c) states that it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with conditions of this permit.

31. APPLICABLE FEDERAL RULES

All references to 40 CFR in this permit mean the version of 40 CFR which is effective as of the effective date of this permit.

EXHIBIT C

Application No. OH0024686

Issue Date: June 10, 2002

Effective Date: July 1, 2002

Expiration Date: January 31, 2007



Ohio Environmental Protection Agency
Authorization to Discharge Under the
National Pollutant Discharge Elimination System

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as the "Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Section 6111),

City of Clyde

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the City of Clyde Wastewater Treatment Plant (WWTP) located at 749 West McPherson Highway, Clyde, Ohio, Sandusky County and discharging to Raccoon Creek in accordance with the conditions specified in Parts I, II, and III of this permit.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.

Christopher Jones
Director

Total Pages: 36

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date , the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 2PD00004001 . See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 001 - Final

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | |
| 00010 - Water Temperature - C | - | - | - | - | - | - | - | 1/Day | Maximum Indicating Thermometer | All |
| 00300 - Dissolved Oxygen - mg/l | - | 7.0 | - | - | - | - | - | 1/Day | Multiple Grab | Summer |
| 00300 - Dissolved Oxygen - mg/l | - | 5.0 | - | - | - | - | - | 1/Day | Multiple Grab | Winter |
| 00515 - Residue, Total Dissolved - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 00530 - Total Suspended Solids - mg/l | - | - | 18 | 12 | - | 130 | 86 | 3/Week | Composite | Summer |
| 00530 - Total Suspended Solids - mg/l | - | - | 45 | 30 | - | 324 | 216 | 3/Week | Composite | Winter |
| 00552 - Oil and Grease, Hexane Extr Method - mg/l | 10 | - | - | - | - | - | - | 1 / 2 Weeks | Grab | All |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | - | - | 4.5 | 3.0 | - | 32 | 22 | 3/Week | Composite | Winter |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | - | - | 1.5 | 1.0 | - | 11 | 7.2 | 3/Week | Composite | Summer |
| 00625 - Nitrogen Kjeldahl, Total - mg/l | - | - | - | - | - | - | - | 1/Month | Composite | All |
| 00630 - Nitrite Plus Nitrate, Total - mg/l | - | - | - | - | - | - | - | 1/Month | Composite | All |
| 00665 - Phosphorus, Total (P) - mg/l | - | - | 1.5 | 1.0 | - | 11 | 7.2 | 1/Week | Composite | All |
| 00719 - Cyanide, Free - mg/l | - | - | 0.022 | 0.0052 | - | 0.16 | 0.037 | 1/Month | Grab | All |
| 01074 - Nickel, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01079 - Silver, Total Recoverable - ug/l | 8.7 | - | - | 1.3 | .063 | - | .0093 | 1/Month | Composite | All |
| 01082 - Strontium, Total (Sr) - ug/l | - | - | - | - | - | - | - | 1/Month | Composite | All |
| 01094 - Zinc, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01113 - Cadmium, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | Composite | All |

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | | | |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Measuring Frequency | Sampling Type | Monitoring Months |
| 01114 - Lead, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01118 - Chromium, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01119 - Copper, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | Composite | All |
| 01220 - Chromium, Dissolved Hexavalent - ug/l | - | - | - | - | - | - | - | 1/Quarter | Grab | Quarterly |
| 31616 - Fecal Coliform - #/100 ml | - | - | 2000 | 1000 | - | - | - | 3/Week | Grab | Summer |
| 50050 - Flow Rate - MGD | - | - | - | - | - | - | - | 1/Day | Continuous | All |
| 50060 - Chlorine, Total Residual - mg/l | .019 | - | - | - | - | - | - | 1/Day | Multiple Grab | Summer |
| 50092 - Mercury, Total (Low Level) - ng/l | 1100 | - | - | 1.3 | 0.008 | - | 0.000010 | 1/Month | Grab | All |
| 61426 - Chronic Toxicity, Ceriodaphnia dubia - TUc | 1.0 | - | - | - | - | - | - | 1/Quarter | Grab | Quarterly |
| 61428 - Chronic Toxicity, Pimephales promelas - TUc | 1.0 | - | - | - | - | - | - | 1/Quarter | Grab | Quarterly |
| 61941 - pH, Maximum - S.U. | 9.0 | - | - | - | - | - | - | 1/Day | Multiple Grab | All |
| 61942 - pH, Minimum - S.U. | - | 6.5 | - | - | - | - | - | 1/Day | Multiple Grab | All |
| 80082 - CBOD 5 day - mg/l | - | - | 40 | 25 | - | 288 | 180 | 3/Week | Composite | Winter |
| 80082 - CBOD 5 day - mg/l | - | - | 12 | 8 | - | 86 | 58 | 3/Week | Composite | Summer |

Notes for station 2PD00004001:
* Effluent loadings based on average design flow of 1.9 MGD.
Total residual chlorine - See Part II, Items I and L.
Nickel, zinc, cadmium, lead, total chromium, copper, and mercury - See Part II, Item O.
Dissolved hexavalent chromium - See Part II, Item P.
Mercury - See Part II, Items J and P.
Free cyanide - See Part II, Items L, P, S and U.

Chronic toxicity - Beginning not later than three months after the effective date of this permit, a chronic toxicity will be monitored twice per year. See Part II, Item V for details.

Part I, B. - UPSTREAM MONITORING REQUIREMENTS

1. Upstream Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the receiving stream, upstream of the point of discharge at Station Number 2PD00004801, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sampling.

Table - Upstream Monitoring - 801 - Final

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring | Sampling | Monitoring |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Frequency | Type | Months |
| 00010 - Water Temperature - C | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 00300 - Dissolved Oxygen - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 00400 - pH - S.U. | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 31616 - Fecal Coliform - #/100 ml | - | - | - | - | - | - | - | 1/Month | Grab | Summer |

NOTES for Station Number 2PD00004801:
* Water temperature, dissolved oxygen, pH, ammonia-Nitrogen, and fecal coliform - See Part II, Item O.

Part I, B. - INFLUENT MONITORING REQUIREMENTS

1. Influent Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the treatment works' influent wastewater at Station Number 2PD00004601, and report to the Ohio EPA in accordance with the following table. Samples of influent used for determination of net values or percent removal must be taken the same day as those samples of effluent used for that determination. See Part II, OTHER REQUIREMENTS, for location of influent sampling.

Table - Influent Monitoring - 601 - Final

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring | Sampling | Monitoring |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Frequency | Type | Months |
| 00530 - Total Suspended Solids - mg/l | - | - | - | - | - | - | - | 3/Week | Composite | All |
| 00720 - Cyanide, Total - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 01074 - Nickel, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01079 - Silver, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | Composite | All |
| 01094 - Zinc, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01113 - Cadmium, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | Composite | All |
| 01114 - Lead, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01118 - Chromium, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01119 - Copper, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | Composite | All |
| 01220 - Chromium, Dissolved Hexavalent - ug/l | - | - | - | - | - | - | - | 1/Quarter | Grab | Quarterly |
| 50092 - Mercury, Total (Low Level) - ng/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 61941 - pH, Maximum - S.U. | - | - | - | - | - | - | - | 1/Day | Multiple Grab | All |
| 61942 - pH, Minimum - S.U. | - | - | - | - | - | - | - | 1/Day | Multiple Grab | All |
| 80082 - CBOD 5 day - mg/l | - | - | - | - | - | - | - | 3/Week | Composite | All |

NOTES for Station Number 2PD00004601:
Nickel, zinc, cadmium, lead, total chromium and copper - See Part II, Item O.
Dissolved hexavalent chromium, free cyanide, and mercury - See Part II, Item Q.

Part I, B. - SLUDGE MONITORING REQUIREMENTS

1. Sludge Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date , the permittee shall monitor the treatment works' final sludge at Station Number 2PD00004581, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sludge sampling.

Table - Sludge Monitoring - 581 - Final

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring | Sampling | Monitoring |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Frequency | Type | Months |
| 00400 - pH - S.U. | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 00627 - Nitrogen Kjeldahl, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Month | Composite | All |
| 00668 - Phosphorus, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Month | Composite | All |
| 01003 - Arsenic, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01028 - Cadmium, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01029 - Chromium, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01043 - Copper, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01052 - Lead, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01068 - Nickel, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01093 - Zinc, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01148 - Selenium, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 70316 - Sludge Weight - Dry Tons | - | - | - | - | - | - | - | 1/Day | Total | All |
| 70318 - Sludge Solids, Percent Total - % | - | - | - | - | - | - | - | 1/Day | Grab | All |
| 70322 - Sludge Solids, Percent Volatile - % | - | - | - | - | - | - | - | 1/Day | Grab | All |
| 71921 - Mercury, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 78465 - Molybdenum In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 99991 - Nitrogen, Ammonia In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Month | Composite | All |

NOTES for Station Number 2PD00004581:

- Monitoring is required when sludge is removed from the wastewater treatment facility and disposed of by land application. If no sludge is removed during the entire month, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.
- Units of mg/kg are on a dry weight basis.
- Sludge weight is a calculated total for the sampling period.
- See Part II, Item R.
- Dioxin Biomonitoring, see Part II, Item T.

## Part I, B. - CSO MONITORING LIMITATIONS AND MONITORING REQUIREMENTS

1. CSO Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor at Station Number 2PD00004006 , and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sludge sampling.

Table - CSO Monitoring - 006 - Final

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | |
| 00530 - Total Suspended Solids - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 50050 - Flow Rate - MGD | - | - | - | - | - | - | - | When Disch. | Estimate | All |
| 80082 - CBOD 5 day - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 80998 - Bypass Occurrence, Number per month - No./Month | - | - | - | - | - | - | - | When Disch. | Estimate | All |
| 80999 - Bypass Duration, Hours per month - Hr/Month | - | - | - | - | - | - | - | When Disch. | Estimate | All |

Notes for Station Number 2PD00004006:

The permittee is authorized to discharge from Station Number 2PD00004006 only during wet weather periods when the flow in the sewer system exceeds the capacity of the sewer system.

See Part II, Item E.

Part I, B. - CSO MONITORING LIMITATIONS AND MONITORING REQUIREMENTS

1. CSO Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor at Station Number 2PD00004010 , and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sludge sampling.

Table - CSO Monitoring - 010 - Final

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring | Sampling | Monitoring |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Frequency | Type | Months |
| 00530 - Total Suspended Solids - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 50050 - Flow Rate - MGD | - | - | - | - | - | - | - | When Disch. | Estimate | All |
| 80082 - CBOD 5 day - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 80998 - Bypass Occurrence, Number per month - No./Month | - | - | - | - | - | - | - | When Disch. | Estimate | All |
| 80999 - Bypass Duration, Hours per month - Hr/Month | - | - | - | - | - | - | - | When Disch. | Estimate | All |

Notes for Station Number 2PD00004010:

The permittee is authorized to discharge from Station Number 2PD00004010 only during wet weather periods when the flow in the sewer system exceeds the capacity of the sewer system.

See Part II, Item E.

Part I, B. - CSO MONITORING LIMITATIONS AND MONITORING REQUIREMENTS

1. CSO Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date , the permittee shall monitor at Station Number 2PD00004009 , and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sludge sampling.

Table - CSO Monitoring - 009 - Final

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring | Sampling | Monitoring |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Frequency | Type | Months |
| 00530 - Total Suspended Solids - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 50050 - Flow Rate - MGD | - | - | - | - | - | - | - | When Disch. | Estimate | All |
| 80082 - CBOD 5 day - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 80998 - Bypass Occurrence, Number per month - No./Month | - | - | - | - | - | - | - | When Disch. | Estimate | All |
| 80999 - Bypass Duration, Hours per month - Hr/Month | - | - | - | - | - | - | - | When Disch. | Estimate | All |

Notes for Station Number 2PD00004009:

The permittee is authorized to discharge from Station Number 2PD00004009 only during wet weather periods when the flow in the sewer system exceeds the capacity of the sewer system.

See Part II, Item E.

Part I, B. - DOWNSTREAM-NEARFIELD MONITORING REQUIREMENTS

1. Downstream-Nearfield Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the receiving stream, downstream of the point of discharge, at Station Number 2PD00004901, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sampling.

Table - Downstream-Nearfield Monitoring - 901 - Final

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | |
| 00010 - Water Temperature - C | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 00300 - Dissolved Oxygen - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 00400 - pH - S.U. | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 00900 - Hardness, Total (CaCO3) - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 31616 - Fecal Coliform - #/100 ml | - | - | - | - | - | - | - | 1/Month | Grab | Summer |

Notes for Station Number 2PD00004009:
Nickel, zinc, cadmium, lead, total chromium and copper - See Part II, Item O.

Part I, C - Schedule of Compliance

A. Compliance Schedule for Mercury Variance

. 1. During the period beginning on the effective of this permit and lasting until this permit is modified or renewed, an interim quantification level (QL) of 1.0 ug/l (1000 ng/l) shall apply to analytical results reported for mercury. Any analytical result reported less than the interim QL shall be considered to be in compliance with that limit.

. 2. REPORTING:

All analytical results, even those below the interim QL shall be reported. Analytical results are to be reported as follows:

. a) Results above the interim QL: Report the analytical result for mercury.

. b) Results above the MDL for method 1631, but below the interim QL: Report the analytical result, even though it is below the interim QL.

. c) Results below the MDL for method 1631: Analytical results below the method detection limit shall be reported as "below detection" using the reporting code "AA".

. 3. Based on an evaluation of mercury data for outfall 2PD00004001 collected using Method 1631, the permittee shall submit one of the following to Ohio EPA not later than 19 months from the effective date of this permit:

. a) A letter stating that it intends to comply with the water quality-based effluent limits for mercury included in Part I.A. of this permit. In this case, no modification of this permit will be necessary to address compliance with mercury effluent limit; or

. b) If the permittee believes that it will be able to take actions leading to compliance with the water quality-based effluent limits for mercury included in this NPDES permit, it may submit a request to modify this permit to include a schedule of compliance and an interim effluent limit for mercury; or

. c) If the permittee determines that compliance with the water quality-based effluent limits for mercury included in this permit is not possible without the construction of expensive end-of-pipe controls, a variance from the mercury water quality standards is available under section D(10) of rule 3745-33-07. If the permittee determines it is eligible, it may submit an application for coverage under this mercury variance. Section D(10)(a) of rule 3745-33-07 includes information on eligibility for coverage and lists the information that must be included in the application; or

. d) If the permittee determines that compliance with the water quality based effluent limits for mercury included in this permit is not possible, and it is not eligible for coverage under the mercury variance available at section D(10) of rule 3745-33-07, it may submit an application for an individual variance from water quality standards. Section (D)(1-3) of rule 3745-33-07 provides information on the applicability and conditions of an individual variance. Section (D)(4) of the rule lists the information that must be included in the application.

This permit may be modified to include either interim limits and a schedule of compliance or new limits and conditions if a variance is issued.

Letters or applications submitted under this item of the Schedule of Compliance shall be sent to the Division of Surface Water at the Ohio EPA Northeast District Office.

B. Municipal CSO Schedule

This entity shall take the actions described below as expeditiously as practicable, but not later than the dates developed in accordance with the following schedule:

. 1. Within 18 months of the effective date of this permit, complete wet weather stress testing.

The permittee shall take the actions described below as expeditiously as practicable, but not later than the dates developed in accordance with the following schedule:

. a) Within 6 months of the effective date of this permit, submit to the Northwest District Office for review and comment two copies of a detailed plan of study for conducting wet weather stress testing of the plant name WWTP. The purpose of the stress testing is to determine the maximum wet weather combined sewer flow to the plant that can receive full treatment without washing out the system or rendering it ineffective.

b) Within 18 months of the effective date of this permit, complete wet weather stress testing. EPA acknowledges that some violations of permit limits may occur during the stress testing as the limits of operation are determined.

c) Within 24 months of the effective date of this permit, submit to the Northwest District Office two copies of a report on the results of the wet weather stress testing. This report shall include, at a minimum, the following elements: (event code 21599)

1) Documentation of the maximum wet weather flow that can receive full treatment without washing out the system or rendering it ineffective. This shall include determining peak wet weather influent rates and how long they can be sustained.

2) Identification of process or hydraulic limitations that prevent the plant from treating additional wet weather flows.

3) Documentation of the minimum wet weather flow that the plant is capable of treating at all times.

After the results of the study are reviewed and accepted by Ohio EPA, the loading limits in this permit may be modified consistent with Ohio's Combined Sewer Overflow Strategy (March, 1995) and Chapter 3745-1-05 of the Ohio Revised Code.

2. Within 24 months of the effective date of this permit the permittee shall develop and submit to the Northwest District Office for approval two copies of a Combined Sewer System Long-Term Control Plan. The goal of the plan is that discharges from combined sewer overflows shall not cause or significantly contribute to violations of water quality standards or impairment of designated uses. If the contents of the long-term control plan are subject to review under 3745-1-05 (antidegradation), the plan will be public noticed as required in Section C of 3745-1-05.
(event code 53799)

The plan shall address, as a minimum, the following:

a) The permittee shall identify CSO discharges to State Resource Waters (OAC 3745-1-05), Bathing Waters [OAC 3745-1-07(B)(4)], and all surface waters within 500 yards of an existing public water supply intake and designate these discharges as the highest priority for elimination, relocation or treatment. Overflows to these waters shall be eliminated or relocated whenever physically and economically achievable, except when this would cause unacceptable water quality impacts elsewhere in the system. If elimination or relocation is not possible, then treatment must be provided that will result in attainment of water quality standards and designated uses.

. b) The permittee shall identify CSO discharges to waters, including small, accessible urban streams, where there is a high probability for contact recreation, and develop controls to ensure that these waters attain the applicable water quality standards for bacteria. The potential for human health impacts, public input on the recreational value of the streams, and financial considerations should be used to prioritize controls for these streams.

The permittee shall develop and implement a significant notification program that informs the public of the possible health and environmental impacts associated with CSOs, and advises against contact recreation when elevated bacteria levels may endanger public health.

The permittee should contact Ohio EPA to discuss water quality standard revisions they believe would be appropriate based on community recreational use evaluations.

. c) The permittee shall consider either the "presumption" or the "demonstration" approach included in U.S. EPA's National Combined Sewer Overflow Policy (April 19, 1994). Elimination of overflows shall always be evaluated as a control option and shall be implemented if it is cost effective, economically achievable, and does not cause new or significantly increased overflows elsewhere in the system.

. d) The permittee shall conduct cost/performance analyses to determine where the increment of CSO abatement achieved diminishes compared to the increased costs.

. e) The permittee shall propose revisions to the Combined Sewer System Operational Plan necessary to implement long term controls.

. f) The permittee shall identify combined sewer areas and consider ways to reduce storm water flow into combined sewers. Steps to consider include: diverting storm water away from the combined system (e.g, by constructing retention basins; removing inflow, such as roof drains); using catch basin flow restriction.

The permittee shall identify areas served by existing separate sanitary sewers and consider ways to minimize the impact of separate sanitary flows on CSO discharges and on bypasses located at the wastewater treatment plant. Steps to consider include: using express sewers to route sanitary flows around combined sewer areas; reducing infiltration and inflow into the separate sewers.

. g) The permittee shall evaluate sanitary sewer extensions tributary to combined sewer overflows or bypasses located at the wastewater treatment plant through a process that:

. 1) Identifies specific geographic areas tributary to combined sewer overflows or bypasses located at the wastewater treatment plant to which the permittee plans to extend sanitary sewer service;

. 2) Determines the dry weather flow capacities of the sewers and interceptors that will receive the increased flow;

. 3) Determines the existing dry weather flow in the sewers and interceptors that will receive the increased flow;

. 4) Defines how much additional dry weather, sanitary flow is planned in the sewers and interceptors;

. 5) Predicts increases in frequency, duration, volume and pollutant loads from wet weather combined sewer overflows that will result from increasing the dry weather flow in the sewers and interceptors;

. 6) If there is a bypass at the treatment plant, predicts increases in frequency, duration, volume and pollutant loads from bypasses that will result from the increased base dry weather flow;

. 7) Predicts water quality impacts to the receiving stream(s) that will result from increased combined sewer overflows and treatment plant bypasses; and

. 8) Evaluates alternatives and proposes control measures that would eliminate increases in combined sewer overflows, treatment plant bypasses, and adverse water quality impacts.

. 9) New flows and loads will be allowed up-pipe of a CSO, without further review, if there will be no overflows between the new connection and the treatment plant until wet weather flows exceed 6 times (6X) the projected average dry weather flow.

. h) The permittee shall consider additions of primary treatment and disinfection capacity, a secondary treatment bypass, and other cost effective measures, such as retention basins, for the purpose of increasing the treatment of wet weather flows at the plant. Ohio EPA will evaluate these measures for approval during the Permit To Install process. Bypasses of secondary treatment must meet the requirements of 40 CFR 122.41(m) and with adequate documentation may be authorized in the NPDES permit.

. i) The permittee shall give the public affected by the development and implementation of the CSO control plan the opportunity to actively participate in the process. This includes participation in the evaluation and selection of controls, in determining the value that the community places on recreation opportunities that are impacted by CSO discharges, and in setting priorities for CSO control projects.

. j) The permittee shall propose an implementation schedule based on consideration of the following: the relative magnitude of adverse impacts on water quality standards and designated uses, the permittee's financial capability, the relative cost/performance evaluations of individual projects, the priorities developed through public participation, and previous efforts to control CSOs.

k) When submitted, the long-term control plan shall be accompanied by a completed antidegradation addendum. To meet the information submittal requirements of antidegradation, the long-term control plan shall include data and information that allow for the examination of control alternatives, a review of the social and economic issues related to the plan, and fulfill other requirements of 3745-1-05(B)(2)(a) - (g). If implementation of the plan results in site-specific lowering of water quality, the director shall consider OAC 3745-1-05(C)(6)(a) - (m) when making a determination regarding the plan.

When the long term control plan is approved by the Director of Ohio EPA, this permit may be modified to incorporate the approved implementation schedule.

Part II, Other Requirements

A. The wastewater treatment works must be under supervision of a Class III State certified operator as required by rule 3745-7- 02 of the Ohio Administrative Code.

B. The plant must be staffed and operated in accordance with the Ohio EPA approved Operation and Maintenance Manual.

C. Description of the location of the required sampling stations are as follows:

| Sampling Station | Description of Location | |
|---|---|---|
| - 2PD00004001 | Final effluent | (Lat: 41N 18' 58"; Long: 82W 59' 07") |
| - 2PD00004006 | Vine Street Regulator | Raccoon Creek |
| - 2PD00004009 | Vine / Mullbery St. | Raccoon Creek |
| - 2PD00004010 | 1A & 1B combined | Raccoon Creek |
| - 2PD00004581 | Sludge | |
| - 2PD00004601 | Influent | |
| - 2PD00004801 | Upstream | |
| - 2PD00004901 | Downstream | |

D. All parameters, except flow, need not be monitored on days when the plant is not normally staffed (Saturdays, Sundays, and Holidays). On those days, report "AN" on the monthly report form.

E. The entire wastewater treatment system shall be operated and maintained so that the total loading of pollutants discharged during wet weather is minimized. To accomplish this, the permittee shall utilize the following technologies:
. 1) provide proper operation and maintenance for the collection system and the combined sewer overflow points;
. 2) provide the maximum use of the collection system for storage of wet weather flow prior to allowing overflows;
. 3) review and modify the pretreatment program to minimize the impact of nondomestic discharges from combined sewer overflows; or if there is no pretreatment program review and modify local programs to minimize the impact of nondomestic discharges from combined sewer overflows;
. 4) maximize the capabilities of the POTW to treat wet weather flows, and maximize the wet weather flow to the wastewater treatment plant within the limits of the plant's capabilities;
. 5) prohibit dry weather overflows;
. 6) control solid and floatable materials in the combined sewer overflow discharge;
. 7) conduct required inspection, monitoring and reporting of CSOs;
. 8) implement pollution programs that focus on reducing the level of contaminants in CSOs; and
. 9) implements a public notification program for areas affected by CSOs, especially beaches and recreation areas.

F. Composite samples shall be comprised of a series of grab samples collected over a 24-hour period and proportionate in volume to the sewage flow rate at the time of sampling. Such samples shall be collected at such times and locations, and in such a fashion, as to be representative of the facility's overall performance.

G. Grab samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's performance.

H. Multiple grab samples shall be comprised of at least three grab samples collected at intervals of at least three hours during the period that the plant is staffed on each day for sampling. Samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's overall performance. The critical value shall be reported.

I. Effluent disinfection is not directly required, however, the entity is required to meet all applicable discharge permit limits. If disinfection facilities exist, they shall be maintained in an operable condition. Any design of wastewater treatment facilities should provide for the capability to install disinfection if required at a future time. Disinfection may be required if future bacteriological studies or emergency conditions indicate the need.

J. The permittee shall use EPA Method 1631, Revision B, promulgated as an approved method for mercury analysis under 40 CFR 136, to comply with the mercury monitoring requirements of this permit. The method detection level (MDL) for Method 1631 is 0.2 ng/l. The quantification level for Method 1631 is 0.5 ng/l.

K. The treatment works must obtain at least 85 percent removal of carbonaceous biochemical oxygen demand (five-day) and suspended solids (see Part III, Item 1).

L. The parameters below have had effluent limitations established that are below the Ohio EPA Quantification Level (OEPA QL) for the 40 CFR 136 promulgated analytical procedure for those parameters. In accordance with the ORC Section 6111.13 and OAC Rule 3745-33-07(C), if a discharge limit is set below the OEPA QL, any analytical result reported less than the OEPA QL shall be considered to be in compliance with that limit. OEPA QLs may be expressed as Practical Quantification Levels (PQL) or Minimum Levels (ML).

The permittee must utilize the lowest available detection method currently approved under 40 CFR Part 136 for monitoring these parameters.

REPORTING:

All analytical results, even those below the OEPA QL (listed below), shall be reported. Analytical results are to be reported as follows:

. 1. Results above the QL: Report the analytical result for the parameter of concern.

. 2. Results above the MDL, but below the QL: Report the analytical result, even though it is below the QL.

. 3. Results below the MDL: Analytical results below the method detection limit shall be reported as "below detection" using the reporting code "AA".

The following table of quantification levels will be used to determine compliance with NPDES permit limits:

| - | Parameter | PQL | ML |
|---|---|---|---|
| - | Chlorine, Total Residual | 0.050 mg/l | -- |
| - | Cyanide, Free | 0.025 mg/l | -- |

This permit may be modified, or alternatively, revoked and reissued, to include more stringent effluent limits or conditions if information generated as a result of the conditions of this permit indicate the presence of these pollutants in the discharge at levels above the water quality based effluent limit (WQBEL).

M. POTWs that accept hazardous wastes by truck, rail, or dedicated pipeline are considered to be hazardous waste treatment, storage, and disposal facilities (TSDFs) and are subject to regulation under the Resource Conservation and Recovery Act (RCRA). Under the "permit-by-rule" regulation found at 40 CFR 270.60(c), a POTW must
. 1) comply with all conditions of its NPDES permit,
. 2) obtain a RCRA ID number and comply with certain manifest and reporting requirements under RCRA,
. 3) satisfy corrective action requirements, and
. 4) meet all federal, state, and local pretreatment requirements.

N. Final permit limitations based on preliminary or approved waste load allocations are subject to change based on modifications to or finalization of the allocation or report or changes to Water Quality Standards. Monitoring requirements and/or special conditions of this permit are subject to change based on regulatory or policy changes.

O. Sampling for these parameters at station 2PD00004001, 2PD00004601, and 2PD00004901 shall occur the same day.

P. Sampling at station 2PD00004001 for these parameters shall occur one detention time (the time it takes for a volume of water to travel through the treatment plant) after sampling at station 2PD00004601 for the same parameters on the same day.

Q. Sampling at station 2PD00004601 for these parameters shall occur one detention time( the time it takes for a volume of water to travel through the treatment plant ) prior to sampling at station 2PD00004001 for the same parameters on the same day.

R. Not later than January 31 of each calendar year, the permittee shall submit two (2) copies of a report summarizing the sludge disposal and/or reuse activities of the facility during the previous year. One copy of the report shall be sent to the Ohio EPA, Division of Surface Water, Central Office, and one copy of the report shall be sent to the appropriate Ohio EPA District Office. This report shall address:

. 1) Amount of sludge disposed of/reused in dry tons.

. 2) Method(s) of disposal/reuse.

. 3) Summary of all analyses made on the sludge, including any priority pollutant scans that may have been performed. (If a priority pollutant scan has been conducted as a part of the pretreatment program, the most recent analysis should be submitted.)

. 4) Problems encountered including any complaints received. The cause or reason for the problem and corrective actions taken to solve the problem should also be included. Any incidents of interference with the method of sludge disposal shall be identified, along with the cause of interference (i.e., excessive metals concentration, contaminated sludge, etc.) and the corrective actions taken.

S. It is understood by Ohio EPA that at the time permit 2PD00004 becomes effective, an analytical method is not approved under 40 CFR 136 to evaluate compliance with the free cyanide effluent limitations included in the permit. The permittee shall utilize method 4500-CN I in the 17th edition of Standard Methods until U.S. EPA promulgates a method for analyzing free cyanide under 40 CFR 136.

T. As soon as possible, but no later than six months after the effective date of this permit, and annually thereafter, the permittee shall sample, test, and submit results of a sludge analysis for seven 2,3,7,8 chlorinated dibenzo-p-dioxin congeners, ten 2,3,7,8 chlorinated dibenzofuran congeners, and twelve coplanar polychlorinated biphenyl congeners. The analysis shall be conducted on a composite, representative sample of sludge removed to final use or disposal.

The analysis results shall be reported showing individual isomer concentrations, total class concentration and a calculation of the Total Toxicity Equivalence (TTE). If any individual isomer concentrations are less than the detection limit, a value of one-half (1/2) the detection limit for that isomer shall be used in the calculation of the TTE.

USEPA Method No. 1613B shall be used for the seven 2,3,7,8 chlorinated dibenzo-p-dioxin congeners and ten 2,3,7,8 chlorinated dibenzofuran congeners.

USEPA Method No. 1668A shall be used for the twelve coplanar polychlorinated biphenyl congeners.

Results shall be reported on a form provided by the Director of the Ohio EPA.

Results shall be submitted to: Ohio EPA - Division of Surface Water; Lazarus Government Center; P.O. Box 1049; Columbus, OH 43216-1049.

U. Pollutant Minimization Program

. 1) The goal of the PMP is to maintain effluent concentrations of free cyanide at or below the discharge limits in Part I. A. for outfall 2PD00004001.

. 2) The permittee shall submit a control strategy designed to proceed toward the goal for the pollutant listed above. Control strategies shall be submitted with the first annual PMP report, or within 12 months of the effective date of this permit, whichever comes later. Control strategies shall include:

. a) Existing information on plant processes, significant and non-significant industrial, commercial and residential users of the treatment plant, and wastestreams or sewers tributary to the treatment plant.

. b) A plan-of-study for locating/identifying potential sources of the pollutant.

. 3) Monitoring requirements:

Beginning on the effective date of this permit, the permittee shall monitor the wastewater treatment plant influent once per quarter by grab sample for the pollutant that is required to have a PMP.

The permittee shall monitor potential sources of free cyanide twice per year by grab sample for the pollutant that is required to have a PMP . Potential sources may include process lines, industrial, commercial and residential users, sewer lines and sediments, storm water inputs, atmospheric deposition, and groundwater (Inflow & Infiltration) inputs.

. 4) The permittee shall submit an annual report to the Division of Surface Water, Northwest District Office before March 1 each year after submission of the control strategy. The annual report shall include:

. a) All minimization program monitoring results for the year;
. b) A list of potential sources of the pollutants that are subject to PMP requirements
. c) A summary of all actions taken to meet the effluent limits for those pollutants
. d) Any updates of the control strategy

. 5) This permit may be modified, or alternatively, revoked and reissued, to revise or remove the requirements of this paragraph based on information collected under this paragraph.

V. Biomonitoring Program Requirements

Compliance Monitoring Program

As soon as possible, but not later than three months after the completion of the TRE, the permittee shall initiate an effluent biomonitoring program to evaluate compliance with the whole effluent toxicity limits of 1.0 TUc at outfall 2PD00004001 .

General Requirements

All toxicity testing conducted as required by this permit shall be done in accordance with Reporting and Testing Guidance for Biomonitoring Required by the Ohio Environmental Protection Agency (hereinafter, the "biomonitoring guidance"), Ohio EPA, 1991 (or current revision). The Standard Operating Procedures (SOP) or verification of SOP submittal, as described in Section 1.B. of the biomonitoring guidance, shall be submitted no later than three months after the effective date of this permit. If the laboratory performing the testing has modified its protocols, a new SOP is required.

Testing Requirements

. 1. Chronic Bioassays

The permittee shall conduct semi-annual chronic toxicity tests using Ceriodaphnia dubia and fathead minnows (Pimephales promelas) on effluent samples from outfall 2PD00004001 . These tests shall be conducted as specified in Section 3 of the biomonitoring guidance. Acute endpoints, as described in Section 2.H. of the biomonitoring guidance, shall be determined from the chronic test results.

. 2. Data Review

. a) Reporting

Following completion of each semi-annual bioassay requirement, the permittee shall report results of the tests in accordance with Sections 3.H.1. and 3.H.2.b. of the biomonitoring guidance. Ohio EPA will evaluate the results in order to judge compliance with the whole effluent toxicity limitations of 1.0 TUc at outfall 2PD00004001. In addition, this permit may be modified to require additional biomonitoring or to require further investigation of toxicity.

. b) Definitions

TUc = Chronic Toxic Units = 100/IC25, or for Ceriodaphnia tests, or

TUc = Chronic Toxic Units = 100/square root of NOEC x LOEC

When this latter calculation results in a higher TUc value.

PART III - GENERAL CONDITIONS

1.□DEFINITIONS

"Daily load" is the total discharge by weight during any calendar day. If only one sample is taken during a day, the weight of pollutant discharge calculated from it is the daily load.

"Daily concentration" means the arithmetic average of all the determinations of concentration made during the day. If only one sample is taken during the day, its concentration is the daily concentration. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"Weekly load" is the total discharge by weight during any 7-day period divided by the number of days in that 7-day period that the facility was in operation. If only one sample is taken in a 7-day period, the weight of pollutant discharge calculated from it is the 7-day load. If more than one sample is taken during the 7-day period, the 7-day load is calculated by determining the daily load for each day sampled, totaling the daily loads for the 7-day period, and dividing by the number of days sampled.

"Weekly concentration" means the arithmetic average of all the determinations of daily concentration limitation made during the 7-day period. If only one sample is taken during the 7-day period, its concentration is the 7-day concentration for that 7-day period. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"Monthly load" is the total discharge by weight during all days in a calander month divided by the number of days that the facility was in operation during that month. If only one sample is taken during the month the weight of pollutant discharge calculated from it is the monthly load. If more than one sample is taken during the month, the monthly load is calculated by determining the daily load for each day sampled, totaling the daily loads for the month and dividing by the number of days sampled.

"Monthly concentration" means the arithmetic average of all the determinations of daily concentration made during any calender month. If only one sample is taken during the month, its concentration is the monthly concentration for that period. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"85 percent removal" means the arithmetic mean of the values for effluent samples collected in a period of 30 consecutive days shall not exceed 15 percent of the arithmetic mean of the values for influent samples collected at approximately the same times during the same period.

"Absolute Limitations" Compliance with limitations having descriptions of "shall not be less than," "nor greater than," "shall not exceed," "minimum," or "maximum" shall be determined from any single value for effluent samples and/or measurements collected.

"Net concentration" shall mean the difference between the concentration of a given substance in a sample taken of the discharge and the concentration of the same substances in a sample taken at the intake which supplies water to the given process. For the purpose of this definition, samples that are taken to determine the net concentration shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"Net load" shall mean the difference between the load of a given substance as calculated from a sample taken of the discharge and the load of the same substance in a sample taken at the intake which supplies water to given process. For purposes of this definition, samples that are taken to determine the net Loading shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"MGD" means million gallons per day.

"mg/l" means milligrams per liter.

"ug/l" means micrograms per liter.

"Reporting Code" is a five digit number used by the Ohio EPA in processing reported data. The reporting code does not imply the type of analysis used nor the sampling techniques employed.

"Quarterly (1/Quarter) sampling frequency" means the sampling shall be done in the months of March, June, August, and December, unless specificially identified otherwise in the Effluent Limitations and Monitoring Requirements table.

"Yearly (1/Year) sampling frequency" means the sampling shall be done in the month of September, unless specificially identified otherwise in the effluent limitations and monitoring requirements table.

"Semi-annual (2/Year) sampling frequency" means the sampling shall be done during the months of June and December, unless specificially identified otherwise.

"Winter" shall be considered to be the period from November 1 through April 30.

"Bypass" means the intentional diversion of waste streams from any portion of the treatment facility.

"Summer" shall be considered to be the period from May 1 through October 31.

"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

2. GENERAL EFFLUENT LIMITATIONS

The effluent shall, at all times, be free of substances:

A. In amounts that will settle to form putrescent, or otherwise objectionable, sludge deposits; or that will adversely affect aquatic life or water fowl;

B. Of an oily, greasy, or surface-active nature, and of other floating debris, in amounts that will form noticeable accumulations of scum, foam or sheen;

C. In amounts that will alter the natural color or odor of the receiving water to such degree as to create a nuisance;

D. In amounts that either singly or in combination with other substances are toxic to human, animal, or aquatic life;

E. In amounts that are conducive to the growth of aquatic weeds or algae to the extent that such growths become inimical to more desirable forms of aquatic life, or create conditions that are unsightly, or constitute a nuisance in any other fashion;

F. In amounts that will impair designated instream or downstream water uses.

3. FACILITY OPERATION AND QUALITY CONTROL

All wastewater treatment works shall be operated in a manner consistent with the following:

A. At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with conditions of the permit.

B. The permittee shall effectively monitor the operation and efficiency of treatment and control facilities and the quantity and quality of the treated discharge.

C. Maintenance of wastewater treatment works that results in degradation of effluent quality shall be scheduled during non-critical water quality periods and shall be carried out in a manner approved by Ohio EPA as specified in the Paragraph in the PART III entitled, "UNAUTHORIZED DISCHARGES".

4. REPORTING

A. Monitoring data required by this permit may be submitted in hardcopy format on the Ohio EPA 4500 report form pre-printed by Ohio EPA or an approved facsimile. Ohio EPA 4500 report forms for each individual sampling station are to be received no later than the 15th day of the month following the month-of-interest. The original report form must be signed and mailed to:

Ohio Environmental Protection Agency
Lazarus Government Center
Division of Surface Water
Enforcement Section E3/MOR
P.O. Box 1049
Columbus, Ohio 43216-0149

Monitoring data may also be submitted electronically using Ohio EPA developed SWIMware software. Data must be transmitted to Ohio EPA via electronic mail or the bulletin board system by the 20th day of the month following the month-of-interest. A Surface Water Information Management System (SWIMS) Memorandum of Agreement (MOA) must be signed by the responsible official and submitted to Ohio EPA to receive an authorized Personal Identification Number (PIN) prior to sending data electronically. A hardcopy of the Ohio EPA 4500 form must be generated via SWIMware, signed and maintained onsite for records retention purposes.

B. If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified below, the results of such monitoring shall be included in the calculation and reporting of the values required in the reports specified above.

C. Analyses of pollutants not required by this permit, except as noted in the preceding paragraph, shall not be reported on Ohio EPA report form (4500) but records shall be retained as specified in the paragraph entitled "RECORDS RETENTION".

5. SAMPLING AND ANALYTICAL METHOD

Samples and measurements taken as required herein shall be representative of the volume and nature monitored flow. Test procedures for the analysis of pollutants shall conform to regulation 40 CFR 136, "Test Procedures For The Analysis of Pollutants" unless other test procedures have been specified in this permit. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and instrumentation at intervals to insure accuracy of measurements.

6. RECORDING OF RESULTS

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

A. The exact place and date of sampling; (time of sampling not required on EPA 4500)

B. The person(s) who performed the sampling or measurements;

C. The date the analyses were performed on those samples;

D. The person(s) who performed the analyses;

E. The analytical techniques or methods used; and

F. The results of all analyses and measurements.

7. RECORDS RETENTION

The permittee shall retain all of the following records for the wastewater treatment works for a minimum of three years, including:

A. All sampling and analytical records (including internal sampling data not reported);

B. All original recordings for any continuous monitoring instrumentation;

C. All instrumentation, calibration and maintenance records;

D. All plant operation and maintenance records;

E. All reports required by this permit; and

F. Records of all data used to complete the application for this permit for a period of at least three years from the date of the sample, measurement, report, or application.

These periods will be extended during the course of any unresolved litigation, or when requested by the Regional Administrator or the Ohio EPA. The three year period for retention of records shall start from the date of sample, measurement, report, or application.

8. AVAILABILITY OF REPORTS

Except for data determined by the Ohio EPA to be entitled to confidential status, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate district offices of the Ohio EPA. Both the Clean Water Act and Section 6111.05 Ohio Revised Code state that effluent data and receiving water quality data shall not be considered confidential.

9. DUTY TO PROVIDE INFORMATION

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

10. RIGHT OF ENTRY

The permittee shall allow the Director or an authorized representative upon presentation of credentials and other documents as may be required by law to:

A. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.

B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.

C. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit.

D. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

11. UNAUTHORIZED DISCHARGES

A. Bypassing or diverting of wastewater from the treatment works is prohibited unless:

1. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

2. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of downtime. This condition is not satisfied if adequate back up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

3. The permittee submitted notices as required under paragraph D. of this section,

B. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.

C. The Director may approve an unanticipated bypass after considering its adverse effects, if the Director determines that it has met the three conditions listed in paragraph 11.A. of this section.

D. The permittee shall submit notice of an unanticipated bypass as required in section 12. A.

E. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded if that bypass is for essential maintenance to assure efficient operation.

12. NONCOMPLIANCE NOTIFICATION

A. The permittee shall by telephone report any of the following within twenty-four (24) hours of discovery at (toll free) 1-800-282-9378:

1. Any noncompliance which may endanger health or the environment;

2. Any unanticipated bypass which exceeds any effluent limitation in the permit; or

3. Any upset which exceeds any effluent limitation in the permit.

4. Any violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit.

B. For the telephone reports required by Part 12.A., the following information must be included:

1. The times at which the discharge occurred, and was discovered;

2. The approximate amount and the characteristics of the discharge;

3. The stream(s) affected by the discharge;

4. The circumstances which created the discharge;

5. The names and telephone numbers of the persons who have knowledge of these circumstances;

6. What remedial steps are being taken; and

7. The names and telephone numbers of the persons responsible for such remedial steps.

C. These telephone reports shall be confirmed in writing within five days of the discharge and submitted to the appropriate Ohio EPA district office. The report shall include the following:

1. The limitation(s) which has been exceeded;

2. The extent of the exceedance(s);

3. The cause of the exceedance(s);

4. The period of the exceedance(s) including exact dates and times;

5. If uncorrected, the anticipated time the exceedance(s) is expected to continue, and

6. Steps being taken to reduce, eliminate, and/or prevent occurrence of the exceedance(s).

D. Compliance Schedule Events:

If the permittee is unable to meet any date for achieving an event, as specified in the schedule of compliance, the permittee shall submit a written report to the appropriate district office of the Ohio EPA within 14 days of becoming aware of such situation. The report shall include the following:

1. The compliance event which has been or will be violated;

2. The cause of the violation;

3. The remedial action being taken;

4. The probable date by which compliance will occur; and

5. The probability of complying with subsequent and final events as scheduled.

E. The permittee shall report all instances of noncompliance not reported under paragraphs A, B, or C of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraphs B and C of this section.

F. Where the permittee becomes aware that it failed to submit any relevant application or submitted incorrect information in a permit application or in any report to the director, it shall promptly submit such facts or information.

13. RESERVED

14. DUTY TO MITIGATE

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

15. AUTHORIZED DISCHARGES

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than, or at a level in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit. Such violations may result in the imposition of civil and/or criminal penalties as provided for in Section 309 of the Act and Ohio Revised Code Sections 6111.09 and 6111.99.

16. DISCHARGE CHANGES

The following changes must be reported to the appropriate Ohio EPA district office as soon as practicable:

A. For all treatment works, any significant change in character of the discharge which the permittee knows or has reason to believe has occurred or will occur which would constitute cause for modification or revocation and reissuance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. Notification of permit changes or anticipated noncompliance does not stay any permit condition.

B. For publicly owned treatment works:

1. Any proposed plant modification, addition, and/or expansion that will change the capacity or efficiency of the plant;

2. The addition of any new significant industrial discharge; and

3. Changes in the quantity or quality of the wastes from existing tributary industrial discharges which will result in significant new or increased discharges of pollutants.

C. For non-publicly owned treatment works any proposed facility expansions, production increases, or process modifications, which will result in new, different, or increased discharges of pollutants.

Following this notice, modifications to the permit may be made to reflect any necessary changes in permit conditions, including any necessary effluent limitations for any pollutants not identified and limited herein. A determination will also be made as to whether a National Environmental Policy Act (NEPA) review will be required. Sections 6111.44 and 6111.45, Ohio Revised Code, require that plans for treatment works or improvements to such works be approved by the Director of the Ohio EPA prior to initiation of construction.

D. In addition to the reporting requirements under 40 CFR 122.41(l) and per 40 CFR 122.42(a), all existing manufacturing, commercial mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

1. That any activity has occurred or will occur which would result in the discharge on a routine or frequent basis of any toxic pollutant which is not limited in the permit. If that discharge will exceed the highest of the "notification levels" specified in 40 CFR Sections 122.42(a)(1)(i) through 122.42(a)(1)(iv).

2. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the "notification levels" specified in 122.42(a)(2)(i) through 122.42(a)(2)(iv).

17. TOXIC POLLUTANTS

The permittee shall comply with effluent standards or prohibitions established under Section 307 (a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement. Following establishment of such standards or prohibitions, the Director shall modify this permit and so notify the permittee.

18. PERMIT MODIFICATION OR REVOCATION

A. After notice and opportunity for a hearing, this permit may be modified or revoked, by the Ohio EPA, in whole or in part during its term for cause including, but not limited to, the following:

1. Violation of any terms or conditions of this permit;

2. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

3. Change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge.

B. Pursuant to rule 3745-33-04, Ohio Administrative Code, the permittee may at any time apply to the Ohio EPA for modification of any part of this permit. The filing of a request by the permittee for a permit modification or revocation does not stay any permit condition. The application for modification should be received by the appropriate Ohio EPA district office at least ninety days before the date on which it is desired that the modification become effective. The application shall be made only on forms approved by the Ohio EPA.

19. TRANSFER OF OWNERSHIP OR CONTROL

This permit may be transferred or assigned and a new owner or successor can be authorized to discharge from this facility, provided the following requirements are met:

A. The permittee shall notify the succeeding owner or successor of the existence of this permit by a letter, a copy of which shall be forwarded to the appropriate Ohio EPA district office. The copy of that letter will serve as the permittee's notice to the Director of the proposed transfer. The copy of that letter shall be received by the appropriate Ohio EPA district office sixty (60) days prior to the proposed date of transfer;

B. A written agreement containing a specific date for transfer of permit responsibility and coverage between the current and new permittee (including acknowledgement that the existing permittee is liable for violations up to that date, and that the new permittee is liable for violations from that date on) shall be submitted to the appropriate Ohio EPA district office within sixty days after receipt by the district office of the copy of the letter from the permittee to the succeeding owner;

At anytime during the sixty (60) day period between notification of the proposed transfer and the effective date of the transfer, the Director may prevent the transfer if he concludes that such transfer will jeopardize compliance with the terms and conditions of the permit. If the Director does not prevent transfer, he will modify the permit to reflect the new owner.

20. OIL AND HAZARDOUS SUBSTANCE LIABILITY

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act.

21. SOLIDS DISPOSAL

Collected screenings, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes into waters of the state. For publicly owned treatment works, these shall be disposed of in accordance with the approved Ohio EPA Sludge Management Plan.

22. CONSTRUCTION AFFECTING NAVIGABLE WATERS

This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

23. CIVIL AND CRIMINAL LIABILITY

Except as exempted in the permit conditions on UNAUTHORIZED DISCHARGES or UPSETS, nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

24. STATE LAWS AND REGULATIONS

Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Clean Water Act.

25. PROPERTY RIGHTS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

26. UPSET

The provisions of 40 CFR Section 122.41(n), relating to "Upset," are specifically incorporated herein by reference in their entirety. For definition of "upset," see Part III, Paragraph 1, DEFINITIONS.

27. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

28. SIGNATORY REQUIREMENTS

All applications submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR 122.22.

All reports submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR Section 122.22.

29. OTHER INFORMATION

A. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

B. ORC 6111.99 provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $25,000 per violation.

C. ORC 6111.99 states that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $25,000 per violation.

D. ORC 6111.99 provides that any person who violates Sections 6111.04, 6111.042, 6111.05, or division (A) of Section 6111.07 of the Revised Code shall be fined not more than $25,000 or imprisoned not more than one year, or both.

30. NEED TO HALT OR REDUCE ACTIVITY

40 CFR 122.41(c) states that it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with conditions of this permit.

31. APPLICABLE FEDERAL RULES

All references to 40 CFR in this permit mean the version of 40 CFR which is effective as of the effective date of this permit.

EXHIBIT D

# TABLE OF EFFLUENT LIMITATION VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| **VIOLATIONS THAT OCCURRED UNDER THE 1994 NPDES PERMIT WHICH EXPIRED 4/1/97** | | | | | | | |
| 5/97 | 001 | Dissolved Oxygen (D.O.) (Not less than) | 7.0 | mg/l | 5.7 | -19% | 31 |
| 5/97 | 001 | Fecal Coliform (To Numerous To Count = AK) | 1000 | #/100 mg/l | 95000 | 9400% | 31 |
| 6/26/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 6/27/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 6/30/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 7/1/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/3/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/8/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.4 | -9% | 1 |
| 7/9/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/10/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 5.3 | -24% | 1 |
| 7/11/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.1 | -13% | 1 |
| 7/12/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 7/17/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/18/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 7/19/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 7/22/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 7/23/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.0 | -14% | 1 |
| 7/24/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/25/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 7/26/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 7/27/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 7/29/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 7/14/97 | 001 | pH (Max) | 9.0 | S.U. | 9.2 | 2% | 1 |
| 7/97 | 001 | Total Suspended Solids (TSS) | 12 | mg/l | 13.8 | 15% | 31 |

# TABLE OF EFFLUENT LIMITATION VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 8/5/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 8/17/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 8/18/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 8/15-8/21/97 | 001 | TSS | 18 | mg/l | 26 | 44% | 7 |
| 8/15-8/21/97 | 001 | TSS | 130 | kg/dy | 166.6 | 28% | 7 |
| 8/97 | 001 | TSS | 12 | mg/l | 14.6 | 22% | 31 |
| 9/11/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 9/13/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 9/21-9/28/97 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 9/97 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| **NPDES PERMIT ISSUED 9/19/97 & EFFECTIVE 11/1/97** | | | | | | | |
| 5/8-5/14/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 5/15-5/21/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 5/98 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| 5/7/98 | 001 | Mercury (Hg) | .00010 | kg/dy | .0012698 | 1170% | 1 |
| 6/26/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 6/29/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 6/30/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 6/98 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| 7/22/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 7/2/98 | 001 | Total Residual Chlorine ($Cl_2$) | 0.019 | mg/l | 0.0310 | 63% | 1 |
| 7/7/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1 | 426% | 1 |
| 7/19/98 | 001 | pH (Min) | 6.5 | S.U. | 6.0 | -8% | 1 |

# TABLE OF EFFLUENT LIMITATION VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 7/26/98 | 001 | pH (Min | 6.5 | S.U. | 6.4 | -2% | 1 |
| 8/6/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 8/7/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 8/8/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/11/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/13/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.2 | -11% | 1 |
| 8/14/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 8/15/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/18/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/20/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 8/21/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/25/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 8/28/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 8/29/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/30/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/1-8/7/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 8/8-8/14/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 8/22-8/28/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 8/98 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 8/15-8/21/98 | 001 | Ammonia Nitrogen ($NH_3$) | 1.5 | mg/l | 1.925 | 28% | 7 |
| 8/19/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0530 | 179% | 1 |
| 8/21/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0480 | 153% | 1 |
| 8/22/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1999 | 952% | 1 |
| 8/23/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1709 | 799% | 1 |

# TABLE OF EFFLUENT LIMITATION VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 8/24/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0590 | 211% | 1 |
| 8/27/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0380 | 100% | 1 |
| 8/28/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1370 | 621% | 1 |
| 8/29/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1455 | 666% | 1 |
| 8/30/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0293 | 54% | 1 |
| 8/31/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0271 | 43% | 1 |
| 9/15/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 9/16/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 9/19/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 9/15-9/21/98 | 001 | $NH_3$ | 1.5 | mg/l | 1.95 | 30% | 7 |
| 9/15-9/21/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 9/98 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| 9/1/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0339 | 78% | 1 |
| 9/3/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0230 | 21% | 1 |
| 9/4/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0520 | 174% | 1 |
| 9/5/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0770 | 305% | 1 |
| 9/6/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0297 | 56% | 1 |
| 9/8/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0888 | 367% | 1 |
| 9/9/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0410 | 116% | 1 |
| 9/10/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0531 | 179% | 1 |
| 9/11/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1037 | 446% | 1 |
| 9/12/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1281 | 574% | 1 |
| 9/13/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.3627 | 1809% | 1 |
| 9/14/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1175 | 518% | 1 |
| 9/16/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0272 | 43% | 1 |

# TABLE OF EFFLUENT LIMITATION VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 9/19/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0540 | 184% | 1 |
| 9/22/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0480 | 153% | 1 |
| 9/23/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0560 | 195% | 1 |
| 9/24/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0645 | 239% | 1 |
| 9/25/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0749 | 294% | 1 |
| 9/27/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0600 | 216% | 1 |
| 9/28/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0790 | 316% | 1 |
| 9/29/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0560 | 195% | 1 |
| 9/30/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1130 | 495% | 1 |
| 10/26/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 10/29/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 10/31/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 10/1/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0497 | 162% | 1 |
| 10/2/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1046 | 451% | 1 |
| 10/3/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.3195 | 1582% | 1 |
| 10/4/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0430 | 126% | 1 |
| 10/5/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0880 | 363% | 1 |
| 10/6/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0270 | 42% | 1 |
| 10/7/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0510 | 168% | 1 |
| 10/9/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0217 | 14% | 1 |
| 10/10/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0980 | 416% | 1 |
| 10/11/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0267 | 41% | 1 |
| 10/12/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0560 | 195% | 1 |
| 10/13/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0260 | 37% | 1 |
| 10/15/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0250 | 32% | 1 |
| 10/16/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0930 | 389% | 1 |
| 10/17/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0550 | 189% | 1 |

# TABLE OF EFFLUENT LIMITATION VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 10/18/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1205 | 534% | 1 |
| 10/19/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1060 | 458% | 1 |
| 10/20/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0390 | 105% | 1 |
| 10/28/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0220 | 16% | 1 |
| 10/30/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0550 | 189% | 1 |
| 5/16/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 5/19/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.4 | -9% | 1 |
| 5/22/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 5.2 | -26% | 1 |
| 5/24/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 6/14/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 6/15/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 6/25/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.4 | -9% | 1 |
| 6/27/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 6/28/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 6/28/99 | 001 | Silver (Ag) | 8.7 | ug/l | 10 | 15% | 1 |
| 6/99 | 001 | Ag | 1.4 | ug/l | 10 | 614% | 30 |
| 6/99 | 001 | Ag | 0.01 | kg/dy | 0.510975 | 5010% | 30 |
| 7/2/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 7/5/99 | 001 | pH (max) | 9.0 | S.U. | 9.2 | 2% | 1 |
| 8/19/99 | 001 | Ag | 8.7 | ug/l | 10 | 15% | 1 |
| 8/99 | 001 | Ag | 1.4 | ug/l | 10 | 614% | 31 |
| 8/19/99 | 001 | Ag | 0.01 | kg/dy | .619226 | 6092% | 1 |
| 8/21/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 9/99 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| 10/17/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 10/1-10/7/99 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |

# TABLE OF EFFLUENT LIMITATION VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 10/99 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 4/15-4/21/00 | 001 | Total Suspended Solids | 324 | kg/day | 369 | 14% | 7 |
| 5/1-5/7/00 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 5/2000 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 7/12/00 | 001 | pH (Max) | 9.0 | S.U. | 9.2 | 2% | 1 |
| 7/16-7/21/00 | 001 | TSS | 18 | mg/l | 19.3 | 7% | 7 |
| 7/22-7/28/00 | 001 | TSS | 18 | mg/l | 26.6 | 48% | 7 |
| 7/2000 | 001 | TSS | 12 | mg/l | 19 | 58% | 31 |
| 7/22-7/28/00 | 001 | TSS | 130 | kg/dy | 211.6 | 63% | 7 |
| 7/2000 | 001 | TSS | 86 | kg/dy | 116.33 | 35% | 31 |
| 8/1-8/7/00 | 001 | TSS | 130 | kg/dy | 183.03 | 41% | 7 |
| 8/2000 | 001 | TSS | 86 | kg/dy | 203.32 | 136% | 31 |
| 8/2000 | 001 | TSS | 12 | mg/l | 12.8 | 7% | 31 |
| 9/7/00 | 001 | $Cl_2$ | 0.019 | mg/l | 0.029 | 53% | 1 |
| 9/2000 | 001 | TSS | 86 | kg/dy | 95.3 | 11% | 30 |
| 9/2000 | 001 | TSS | 12 | mg/l | 15.2 | 27% | 30 |
| 10/17/00 | 001 | $Cl_2$ | 0.019 | mg/l | 0.090 | 374% | 7 |
| 5/15-5/21/01 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 5/2001 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 6/23/01 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 6/24/01 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |

## TABLE OF EFFLUENT LIMITATION VIOLATIONS
### CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 6/1-6/7/01 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 6/2001 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 7/5/01 | 001 | Copper | 49 | ug/l | 140 | 186% | 1 |
| 7/5/01 | 001 | Copper | 0.35 | kg/dy | .4488 | 28% | 1 |
| 7/2001 | 001 | Copper | 30 | ug/l | 140 | 367% | 31 |
| 7/2001 | 001 | Copper | 0.22 | kg/dy | .4488 | 104% | 31 |
| 7/8-7/14/01 | 001 | TSS | 18 | mg/l | 18.5 | 3% | 7 |
| 7/15-7/21/01 | 001 | TSS | 18 | mg/l | 20.5 | 14% | 7 |
| 7/2001 | 001 | TSS | 12 | mg/l | 17 | 42% | 31 |
| 8/2001 | 001 | TSS | 12 | mg/l | 13.9 | 16% | 31 |
| 9/30/01 | 001 | $Cl_2$ | 0.019 | mg/l | 0.021 | 11% | 1 |
| 10/7/01 | 001 | $Cl_2$ | 0.019 | mg/l | 0.023 | 21% | 1 |
| 10/8/01 | 001 | $Cl_2$ | 0.019 | mg/l | 0.058 | 205% | 1 |
| 2/15-2/21/02 | 001 | Phosphorus, Total | 1.5 | mg/l | 2.4 | 60% | 7 |
| 2/15-2/21/02 | 001 | Phosphorus, Total | 11 | kg/dy | 15.4 | 40% | 7 |
| **NPDES PERMIT ISSUED 6/10/02 & EFFECTIVE 7/1/02** | | | | | | | |
| 7/2002 | 001 | Hg | 1.3 | ng/dy | 4.7[1/] | 262% | 31 |
| 7/2002 | 001 | Hg | 0.000010 | kg/dy | 0.0000247 | 147% | 31 |
| 7/6/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 7/18/02 | 001 | pH (Max) | 9.0 | S.U. | 9.02 | 0% | 1 |

[1/] NPDES Permit Language: "During the period beginning on the effective date of this Permit and lasting until this permit is modified or renewed, an interim quantification level (QL) of 1.0 ug/l (1000 ng/l) shall apply to analytical results reported for mercury. Any analytical result reported less than the interim QL shall be considered to be in compliance with that limit."

# TABLE OF EFFLUENT LIMITATION VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 7/20/02 | 001 | pH (Max) | 9.0 | S.U. | 9.21 | 2% | 1 |
| 7/23/02 | 001 | pH (Max) | 9.0 | S.U. | 9.02 | 0% | 1 |
| 7/25/02 | 001 | pH (Max) | 9.0 | S.U. | 9.23 | 3% | 1 |
| 8/23/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 8/24/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 8/25/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/2/02 | 001 | pH (Max) | 9.0 | S.U. | 9.04 | 0% | 1 |
| 8/3/02 | 001 | pH (Max) | 9.0 | S.U. | 9.09 | 1% | 1 |
| 8/4/02 | 001 | pH (Max) | 9.0 | S.U. | 9.18 | 2% | 1 |
| 8/6/02 | 001 | pH (Max) | 9.0 | S.U. | 9.03 | 0% | 1 |
| 8/8/02 | 001 | pH (Max) | 9.0 | S.U | 9.18 | 2% | 1 |
| 8/10/02 | 001 | pH (Max) | 9.0 | S.U. | 9.13 | 1% | 1 |
| 8/11/02 | 001 | pH (Max) | 9.0 | S.U. | 9.16 | 2% | 1 |
| 8/18/02 | 001 | pH (Max) | 9.0 | S.U. | 9.14 | 2% | 1 |
| 8/27/02 | 001 | pH (Max) | 9.0 | S.U. | 9.08 | 1% | 1 |
| 8/28/02 | 001 | pH (Max) | 9.0 | S.U.. | 9.20 | 2% | 1 |
| 8/29/02 | 001 | pH (Max) | 9.0 | S.U. | 9.14 | 2% | 1 |
| 8/30/02 | 001 | pH (Max) | 9.0 | S.U. | 9.31 | 3% | 1 |
| 9/1/02 | 001 | pH (Max) | 9.0 | S.U. | 9.10 | 1% | 1 |
| 9/9/02 | 001 | pH (Max) | 9.0 | S.U. | 9.10 | 1% | 1 |
| 10/2002 | 001 | Hg | 1.3 | ng/l | 1.71 | 32% | 31 |
| 10/5/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| | | | | | | **TOTAL** | **1251** |

Revised 4/03

EXHIBIT E

# CITY OF CLYDE
# MONITORING VIOLATIONS

| DATE | PARAMETER | OUTFALL | REPORTED MONITORING FREQUENCY | MONITORING VIOLATIONS | PERMIT MONITORING FREQUENCY |
|---|---|---|---|---|---|
| **VIOLATIONS OCCURRED UNDER THE 1994 PERMIT WHICH EXPIRED 4/1/97** | | | | | |
| 6/97 | Fecal Coliform | 901 | 3 | 1 (AK - Biological Sample, Too Numerous to Count) | 1/week |
| 6/97 | Fecal Coliform | 801 | 3 | 1 (AK - Biological Sample, Too Numerous to Count) | 1/week |
| 8/97 | Fecal Coliform | 901 | 3 | 1 (AK - Biological Sample, Too Numerous to Count) | 1/week |
| 8/97 | Fecal Coliform | 801 | 3 | 1 (AK - Biological Sample, Too Numerous to Count) | 1/week |
| **NPDES PERMIT ISSUED 9/19/97 & EFFECTIVE 11/1/97** | | | | | |
| 10/99 | Fecal Coliform | 001 | 2 | 1 (AK - Biological Sample, Too Numerous to Count) | 3/Week |

| CITY OF CLYDE<br>MONITORING VIOLATIONS | | | | | |
|---|---|---|---|---|---|
| **DATE** | **PARAMETER** | **OUTFALL** | **REPORTED MONITORING FREQUENCY** | **MONITORING VIOLATIONS** | **PERMIT MONITORING FREQUENCY** |
| 6/00 | Fecal Coliform | 001 | 2 | 1 (AK - Biological Sample, Too Numerous to Count) | 3/week |
| 8/00 | Ammonia | 001 | 2 | 1 | 3/week |
| 9/01 | Fecal Coliform | 001 | 2 | 1 | 3/week |
| 5/02 wk-1 | Fecal Coliform | 001 | 2 | 1 | 3/week |
| 5/02 wk-4 | Fecal Coliform | 001 | 2 | 1 | 3/week |
| **NPDES PERMIT ISSUED 6/10/02 & EFFECTIVE 7/31/02** | | | | | |
| NONE | | | | | |
| | | | | **10 TOTAL** | |

Revised 4/03

EXHIBIT F

**CITY OF CLYDE, OHIO**
**NPDES PERMIT NO. OH0024686**

## SLUDGE VIOLATIONS

| DATES | Description of Violations | # of Days of Violations |
|---|---|---|
| 8/1/94 - 2/29/96 | Sludge Management Requirements - Failure to comply with Pathogen and Vector Attraction Reduction requirements and provide certification statements pursuant to 40 CFR Parts 503.17, 503.32 and 503.33. | 578 |
| | **TOTAL** | 578 |

## NPDES PERMIT COMPLIANCE SCHEDULE VIOLATIONS

| **1994 & 1997 NPDES PERMITS** | | |
|---|---|---|
| DATES | Description of Violations | # of Days of Violations |
| 5/1/97- 8/31/98 | Failure to effectively implement the minimum best conventional technology/best available technology control measures applicable to operating and maintaining combined sewer overflows in the collection system pursuant to NPDES Permit (2PD00004*JD) Part I, C. | 457 |
| | **TOTAL** | 457 |

## COMPLIANCE ORDER VIOLATIONS

| **1994 & 1997 NPDES PERMITS** | | |
|---|---|---|
| DATES | Description of Violations | # of Days of Violations |
| 5/1/97- 8/31/98 | Failure to effectively comply with U.S. EPA's administrative order (V-W-95-AO-14) issued March 28, 1995. | 457 |
| | **TOTAL** | 457 |

| | | |
|---|---|---|
| | **TOTAL COMPLIANCE VIOLATION DAYS** | 914 |

Revised 4/03

EXHIBIT G

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

| | | |
|---|---|---|
| **IN THE MATTER OF:** | ) | **DOCKET No: V-W-95-AO-14** |
| | ) | |
| | ) | |
| **CITY OF CLYDE** | ) | **FINDINGS OF VIOLATION** |
| **WASTEWATER TREATMENT PLANT** | ) | |
| **NPDES NO. OH0024686** | ) | **AND** |
| | ) | |
| **PROCEEDING UNDER SECTIONS 308** | ) | |
| **AND 309(a) OF THE CLEAN** | ) | **ORDER FOR COMPLIANCE** |
| **WATER ACT, AS AMENDED** | ) | |
| **33 U.S.C. §§ 1318 AND 1319** | ) | |

The following **FINDINGS** are made and **ORDER** issued pursuant to the authority vested in the Administrator of the United States Environmental Protection Agency ("USEPA") under Sections 308 and 309(a) of the Clean Water Act ("CWA" or Act"), 33 U.S.C. §§ 1318 and 1319(a), duly delegated to the Regional Administrator, Region 5, and duly re-delegated to the undersigned Director, Water Division.

## FINDINGS

1. The City of Clyde ("City") is the owner and operator of a Publicly-Owned Treatment Works ("POTW") located at 749 West McPherson Highway, Clyde, Ohio.
2. The City is a person within the meaning of the definition set forth at Section 502(5) of the Act, 33 U.S.C. § 1362(5).
3. Section 402 of the CWA, 33 U.S.C. § 1342, establishes the National Pollutant Discharge Elimination System ("NPDES") program. Pursuant to

Section 402(b) of the CWA, 33 U.S.C. § 1342(b), the Administrator of the USEPA, on March 11, 1974, approved a program whereby the State of Ohio, through the Ohio Environmental Protection Agency ("OEPA"), is authorized to issue and administer NPDES Permits subject to the limitations set forth in the CWA and a Memorandum of Agreement between the USEPA and the OEPA.

4. Pursuant to Section 402 of the CWA, 33 U.S.C. § 1342, the OEPA issued the current NPDES Permit No. OH0024686 (the "Permit"), to the City on June 29, 1994. It became effective on August 1, 1994, and expires April 1, 1997. A permit modification, which revised the footnote from items J and K to items I and K, and deleted item J from Part II, Other Requirements, was issued on November 1, 1994, and was effective on January 2, 1995. The City is authorized to discharge pollutants from its POTW to the receiving water, Raccoon Creek, subject to the terms and conditions set forth in the Permit.

5. On September 13, 1994, USEPA conducted a Compliance Evaluation Inspection ("CEI") at the City's POTW. The September 16, 1994 CEI report (Attachment A) discloses that the City's POTW exceeded effluent discharge limitations, specified in Part I A of the Permit, for chlorine residual, oil & grease, and total suspended solids between September 1993 and August 1994.

6. Section 405(d) of the CWA, 33 U.S.C. § 1345(d), directs the Administrator of the USEPA to develop Standards for the Use or Disposal of Sewage Sludge, 40 CFR Part 503. Said regulations were published on February 19, 1993, (58 Fed. Reg. 32), and apply to the City.

7. The City operates a Class I sludge management facility as defined in 40 CFR Part 503.9(c), subject to the Subpart B-Land application standards stated in 40 CFR Part 503.10.

8. Pursuant to 40 CFR Part 503.2 a Class I sludge management facility must achieve compliance with the pathogen and vector attraction reduction requirements as expeditiously as practicable, but no later than February 19, 1995.

9. A review of the 1993 and 1994 Annual Sludge Report reveal that the City has not complied with the pathogen and vector attraction reduction requirements as specified in 40 CFR Parts 503.17, 503.32 and 503.33.

10. Based upon the findings in Paragraphs 5 and 9, the City is in violation of the terms and conditions of its NPDES Permit, and Sections 301, 402 and 405(d) of the CWA, 33 U.S.C. §§ 1311(a), 1342 and 1345(d).

19. Section 309 of the CWA authorizes the Administrator to issue a compliance order or to commence a civil action for appropriate relief to any person who is in violation of the CWA.

## ORDER

**BASED ON THE FOREGOING FINDINGS, AND THE AUTHORITY VESTED IN THE UNDERSIGNED DIRECTOR, WATER DIVISION, REGION 5, IT IS HEREBY ORDERED:**

1. That within fifteen (15) days of the effective date of this Order, the City shall submit a written certification of its intent to comply with this Order.

2. That the City shall fully comply with the terms and conditions of its NPDES Permit, and the Standards for the Use or Disposal of Sewage Sludge as soon as possible, but no later than June 30, 1995.

3. That within thirty (30) days of the effective date of this Order, the City shall submit the following:

   (a) A detailed Plan of Action which contains a fixed-date schedule describing actions taken, or, to be taken, to achieve and maintain compliance with the effluent discharge limitations and the pathogen and vector attraction reduction requirements. In no event shall this schedule go beyond June 30, 1995.

   (b) A detailed description of capital, and operation and maintenance costs of any improvements and/or construction completed, or, to be implemented, to achieve and maintain compliance with the NPDES Permit terms and conditions and 40 CFR Part 503.

(c). Discharge monitoring reports covering the period from January 1992 to the present.

4. That the City shall submit certification statements for pathogen and vector attraction reduction requirements as soon as possible, but no later than June 30, 1995.

5. That the City shall submit Compliance Progress Reports and Discharge Monitoring Reports on a monthly basis. The Compliance Progress Reports shall include detailed descriptions of all actions taken or completed during the previous month to achieve and maintain compliance with the NPDES Permit terms and conditions, and the Standards for the Use or Disposal of Sewage Sludge. These reports shall be submitted at the end of each month, postmarked on or before the 15th day of the following month. Submission of these reports will cease upon written notice from this Agency that they are no longer required.

6. Submissions required by this Order shall be mailed to the Director, Water Division, Region 5, USEPA, 77 West Jackson Blvd., WCC-15J, Chicago, Illinois 60604, Attention: Compliance Section, with copies to the OEPA, Attention: George Elmaraghy. If the City has already provided the OEPA with copies of any of these documents, it need not include those materials in its submission to OEPA.

The written statements submitted in response to this Order must be returned under

an authorized signature certifying that all contents therein are true and accurate to the best of the signatory's knowledge and belief. Should the signatory find, at any time after submittal of the requested information, that any portion of such statement(s) which was certified as true is false or incorrect, the signatory shall so notify Region 5. Before responding to the Order, you may wish to review the attached "Authority and Confidentiality Provisions".

Neither issuance of this Order by the USEPA nor compliance with this Order by the City shall be deemed to relieve the City of liability for any penalty, fine, remedy or sanction authorized to be imposed pursuant to Section 309(b), (c), (d), and/or (g) of the CWA. USEPA specifically reserves the right to seek any or all of the remedies specified in Section 309(b), (c), (d), and/or (g) of the CWA for each and every violation cited in this Order. This Order shall become effective immediately upon issuance.

3/28/95
DATE

Acting Director, Water Division
U.S. Environmental Protection Agency
Region 5

## Attachment

## AUTHORITY AND CONFIDENTIALITY PROVISIONS

### Authority

Information requests are made under authority provided by Section 308 of the Clean Water Act, 33 U.S.C. 1318. Section 308 provides that: "Whenever required to carry out the objective of this Act, ...the Administrator shall require the owner or operator of any point sources to (i) establish and maintain such records, (ii) make such reports, (iii) install, use and maintain such monitoring equipment and methods (including where appropriate, biological monitoring methods), (iv) sample such effluent... and (v) provide such other information as he may reasonably require; and the Administrator or his authorized representative, upon presentation of his credentials, shall have a right of entry to...any premises in which an effluent source is located or in which any records...are located, and may at reasonable times have access to and copy any records...and sample any effluents..."

**Please be advised that the submission of false statements is subject to federal prosecution under 18 U.S.C. §1001 and that this or any other failure to comply with the requirements of Section 308 as requested by U.S. EPA may result in enforcement action under the authority of Section 309 of the Clean Water Act, which provides for specified civil and/or criminal penalties.**

### Confidentiality

U.S. EPA regulations concerning confidentiality and treatment of business information are contained in 40 CFR Part 2, Subpart B. Information may not be withheld from the Administrator or his authorized representative because it is viewed as confidential. However, when requested to do so, the Administrator is required to consider information to be confidential and to treat it accordingly, if disclosure would divulge methods or processes entitled to protection as trade secrets (33 U.S.C. §1318(b) and 18 U.S.C. §1905), except that effluent data (as defined in 40 CFR §2.302(a)(2)) may not be considered by U.S. EPA as confidential.

The regulations provide that one may assert a business confidentiality claim covering part or all of any trade secret information furnished to U.S. EPA at the time such information is provided to the Agency. The manner of asserting such claims is specified in 40 CFR §2.203(b). In the event that a request is made for release of information covered by such claim of confidentiality or the Agency otherwise decides to make determination as to whether or not such information is entitled to such confidential treatment, notice will be provided to the claimant prior to any release of the information. However, if no claim of confidentiality is made when information is furnished to U.S. EPA, any information submitted to the Agency may be made available to the public without prior notice.

**Note:** This information request is not subject to the approval requirements of the Paperwork Reduction Act of 1980, 44 U.S.C. Chapter 35.

**CITY OF CLYDE, OHIO**
**NPDES PERMIT NO. OH0024686**

## NPDES PERMIT COMPLIANCE SCHEDULE VIOLATIONS

| 1994 & 1997 NPDES PERMITS | | |
|---|---|---|
| DATES | Description of Violations | # of Days of Violations |
| 5/1/97-<br>8/31/98 | Failure to effectively implement the minimum best conventional technology/best available technology control measures applicable to operating and maintaining combined sewer overflows in the collection system pursuant to NPDES Permit (2PD00004*JD) Part I, C. | 457 |
| | **TOTAL** | 457 |

## COMPLIANCE ORDER VIOLATIONS

| 1994 & 1997 NPDES PERMITS | | |
|---|---|---|
| DATES | Description of Violations | # of Days of Violations |
| 5/1/97-<br>8/31/98 | Failure to effectively comply with U.S. EPA's administrative order (V-W-95-AO-14) issued March 28, 1995. | 457 |
| | **TOTAL** | 457 |

| | | |
|---|---|---|
| | **GRAND TOTAL OF DAYS OF VIOLATIONS** | 914 |

Revised 4/03

**CITY OF CLYDE, OHIO**
**NPDES PERMIT NO. OH0024686**

**NPDES PERMIT COMPLIANCE SCHEDULE VIOLATIONS**

| DATES | Description of Violations | # of Days of Violations |
|---|---|---|
| 5/1/97-8/31/98 | Failure to effectively implement the minimum best conventional technology/best available technology control measures applicable to operating and maintaining combined sewer overflows in the collection system pursuant to NPDES Permit (2PD00004*JD) Part I, C. | 457 |
| | **TOTAL** | 457 |

**COMPLIANCE ORDER VIOLATIONS**

| DATES | Description of Violations | # of Days of Violations |
|---|---|---|
| 5/1/97-8/31/98 | Failure to effectively comply with U.S. EPA's administrative order (V-W-95-AO-14) issued March 28, 1995. | 457 |
| | **TOTAL** | 457 |

| | | |
|---|---|---|
| | **GRAND TOTAL OF DAYS OF VIOLATIONS** | 914 |

Revised 4/03

ATTACHMENT

**CITY OF CLYDE**
**MONITORING VIOLATIONS**

| DATE | PARAMETER | OUTFALL | REPORTED MONITORING FREQUENCY | MONITORING VIOLATIONS | PERMIT MONITORING FREQUENCY |
|---|---|---|---|---|---|
| **VIOLATIONS OCCURRED UNDER THE 1994 PERMIT WHICH EXPIRED 4/1/97** | | | | | |
| 6/97 | Fecal Coliform | 901 | 3 | 1 (AK - Biological Sample, Too Numerous to Count) | 1/week |
| 6/97 | Fecal Coliform | 801 | 3 | 1 (AK - Biological Sample, Too Numerous to Count) | 1/week |
| 8/97 | Fecal Coliform | 901 | 3 | 1 (AK - Biological Sample, Too Numerous to Count) | 1/week |
| 8/97 | Fecal Coliform | 801 | 3 | 1 (AK - Biological Sample, Too Numerous to Count) | 1/week |
| **NPDES PERMIT ISSUED 9/19/97 & EFFECTIVE 11/1/97** | | | | | |
| 10/99 | Fecal Coliform | 001 | 2 | 1 (AK - Biological Sample, Too Numerous to Count) | 3/Week |
| 6/00 | Fecal Coliform | 001 | 2 | 1 (AK - Biological Sample, Too Numerous to Count) | 3/week |

**ATTACHMENT**

**CITY OF CLYDE**
**MONITORING VIOLATIONS**

| | | | | | |
|---|---|---|---|---|---|
| 8/00 | Ammonia | 001 | 2 | 1 | 3/week |
| 9/01 | Fecal Coliform | 001 | 2 | 1 | 3/week |
| 5/02 wk-1 | Fecal Coliform | 001 | 2 | 1 | 3/week |
| 5/02 wk-4 | Fecal Coliform | 001 | 2 | 1 | 3/week |
| **NPDES PERMIT ISSUED 6/10/02 & EFFECTIVE 7/31/02** | | | | | |
| | | | | 10 TOTAL | |

Revised 4/03

**ATTACHMENT**

**CITY OF CLYDE**
**MONITORING VIOLATIONS**

| DATE | PARAMETER | OUTFALL | REPORTED MONITORING FREQUENCY | MONITORING VIOLATIONS | PERMIT MONITORING FREQUENCY |
|---|---|---|---|---|---|
| 6/97 | Fecal Coliform | 901 | 3 | 1 (AK - Biological Sample, Too Numerous to Count) | 1/week |
| 6/97 | Fecal Coliform | 801 | 3 | 1 (AK - Biological Sample, Too Numerous to Count) | 1/week |
| 8/97 | Fecal Coliform | 901 | 3 | 1 (AK - Biological Sample, Too Numerous to Count) | 1/week |
| 8/97 | Fecal Coliform | 801 | 3 | 1 (AK - Biological Sample, Too Numerous to Count) | 1/week |
| 10/99 | Fecal Coliform | 001 | 2 | 1 (AK - Biological Sample, Too Numerous to Count) | 3/Week |
| 6/00 | Fecal Coliform | 001 | 2 | 1 (AK - Biological Sample, Too Numerous to Count) | 3/week |
| 8/00 | Ammonia | 001 | 2 | 1 | 3/week |
| 9/01 | Fecal Coliform | 001 | 2 | 1 | 3/week |
| 5/02 wk-1 | Fecal Coliform | 001 | 2 | 1 | 3/week |
| 5/02 wk-4 | Fecal Coliform | 001 | 2 | 1 | 3/week |
| | | | 10 TOTAL | | |

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| VIOLATIONS OCCURRED UNDER THE 1994 PERMIT WHICH EXPIRED 4/1/97 | | | | | | | |
| 5/97 | 001 | Dissolved Oxygen (D.O.) (Not less than) | 7.0 | mg/l | 5.7 | -19% | 31 |
| 5/97 | 001 | Fecal Coliform (To Numerous To Count = AK) | 1000 | #/100 mg/l | 95000 | 9400% | 31 |
| 6/26/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 6/27/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 6/30/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 7/1/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/3/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/8/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.4 | -9% | 1 |
| 7/9/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/10/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 5.3 | -24% | 1 |
| 7/11/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.1 | -13% | 1 |
| 7/12/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 7/17/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/18/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 7/19/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 7/22/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 7/23/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.0 | -14% | 1 |
| 7/24/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/25/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 7/26/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 7/27/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 7/29/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 7/14/97 | 001 | pH (Max) | 9.0 | S.U. | 9.2 | 2% | 1 |
| 7/97 | 001 | Total Suspended Solids (TSS) | 12 | mg/l | 13.8 | 15% | 31 |

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 8/5/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 8/17/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 8/18/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 8/15-8/21/97 | 001 | TSS | 18 | mg/l | 26 | 44% | 7 |
| 8/15-8/21/97 | 001 | TSS | 130 | kg/dy | 166.6 | 28% | 7 |
| 8/97 | 001 | TSS | 12 | mg/l | 14.6 | 22% | 31 |
| 9/11/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 9/13/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 9/21-9/28/97 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 9/97 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| **NPDES PERMIT ISSUED 9/19/97 & EFFECTIVE 11/1/97** | | | | | | | |
| 5/8-5/14/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 5/15-5/21/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 5/98 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| 5/7/98 | 001 | Mercury (Hg) | .00010 | kg/dy | .0012698 | 1170% | 1 |
| 6/26/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 6/29/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 6/30/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 6/98 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| 7/22/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 7/2/98 | 001 | Total Residual Chlorine ($Cl_2$) | 0.019 | mg/l | 0.0310 | 63% | 1 |
| 7/7/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1 | 426% | 1 |
| 7/19/98 | 001 | pH (Min) | 6.5 | S.U. | 6.0 | -8% | 1 |

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 7/26/98 | 001 | pH (Min | 6.5 | S.U. | 6.4 | -2% | 1 |
| 8/6/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 8/7/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 8/8/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/11/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/13/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.2 | -11% | 1 |
| 8/14/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 8/15/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/18/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/20/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 8/21/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/25/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 8/28/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 8/29/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/30/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/1-8/7/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 8/8-8/14/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 8/22-8/28/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 8/98 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 8/15-8/21/98 | 001 | Ammonia Nitrogen ($NH_3$) | 1.5 | mg/l | 1.925 | 28% | 7 |
| 8/19/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0530 | 179% | 1 |
| 8/21/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0480 | 153% | 1 |
| 8/22/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1999 | 952% | 1 |
| 8/23/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1709 | 799% | 1 |

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 8/24/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0590 | 211% | 1 |
| 8/27/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0380 | 100% | 1 |
| 8/28/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1370 | 621% | 1 |
| 8/29/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1455 | 666% | 1 |
| 8/30/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0293 | 54% | 1 |
| 8/31/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0271 | 43% | 1 |
| 9/15/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 9/16/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 9/19/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 9/15-9/21/98 | 001 | $NH_3$ | 1.5 | mg/l | 1.95 | 30% | 7 |
| 9/15-9/21/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 9/98 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| 9/1/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0339 | 78% | 1 |
| 9/3/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0230 | 21% | 1 |
| 9/4/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0520 | 174% | 1 |
| 9/5/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0770 | 305% | 1 |
| 9/6/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0297 | 56% | 1 |
| 9/8/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0888 | 367% | 1 |
| 9/9/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0410 | 116% | 1 |
| 9/10/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0531 | 179% | 1 |
| 9/11/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1037 | 446% | 1 |
| 9/12/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1281 | 574% | 1 |
| 9/13/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.3627 | 1809% | 1 |
| 9/14/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1175 | 518% | 1 |
| 9/16/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0272 | 43% | 1 |

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 9/19/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0540 | 184% | 1 |
| 9/22/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0480 | 153% | 1 |
| 9/23/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0560 | 195% | 1 |
| 9/24/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0645 | 239% | 1 |
| 9/25/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0749 | 294% | 1 |
| 9/27/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0600 | 216% | 1 |
| 9/28/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0790 | 316% | 1 |
| 9/29/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0560 | 195% | 1 |
| 9/30/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1130 | 495% | 1 |
| 10/26/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 10/29/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 10/31/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 10/1/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0497 | 162% | 1 |
| 10/2/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1046 | 451% | 1 |
| 10/3/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.3195 | 1582% | 1 |
| 10/4/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0430 | 126% | 1 |
| 10/5/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0880 | 363% | 1 |
| 10/6/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0270 | 42% | 1 |
| 10/7/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0510 | 168% | 1 |
| 10/9/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0217 | 14% | 1 |
| 10/10/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0980 | 416% | 1 |
| 10/11/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0267 | 41% | 1 |
| 10/12/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0560 | 195% | 1 |
| 10/13/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0260 | 37% | 1 |
| 10/15/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0250 | 32% | 1 |
| 10/16/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0930 | 389% | 1 |
| 10/17/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0550 | 189% | 1 |

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 10/18/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1205 | 534% | 1 |
| 10/19/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1060 | 458% | 1 |
| 10/20/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0390 | 105% | 1 |
| 10/28/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0220 | 16% | 1 |
| 10/30/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0550 | 189% | 1 |
| 5/16/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 5/19/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.4 | -9% | 1 |
| 5/22/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 5.2 | -26% | 1 |
| 5/24/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 6/14/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 6/15/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 6/25/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.4 | -9% | 1 |
| 6/27/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 6/28/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 6/28/99 | 001 | Silver (Ag) | 8.7 | ug/l | 10 | 15% | 1 |
| 6/99 | 001 | Ag | 1.4 | ug/l | 10 | 614% | 30 |
| 6/99 | 001 | Ag | 0.01 | kg/dy | 0.510975 | 5010% | 30 |
| 7/2/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 7/5/99 | 001 | pH (max) | 9.0 | S.U. | 9.2 | 2% | 1 |
| 8/19/99 | 001 | Ag | 8.7 | ug/l | 10 | 15% | 1 |
| 8/99 | 001 | Ag | 1.4 | ug/l | 10 | 614% | 31 |
| 8/19/99 | 001 | Ag | 0.01 | kg/dy | .619226 | 6092% | 1 |
| 8/21/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 9/99 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| 10/17/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 10/1-10/7/99 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 10/99 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 4/15-4/21/00 | 001 | Total Suspended Solids | 324 | kg/day | 369 | 14% | 7 |
| 5/1-5/7/00 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 5/2000 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 7/12/00 | 001 | pH (Max) | 9.0 | S.U. | 9.2 | 2% | 1 |
| 7/16-7/21/00 | 001 | TSS | 18 | mg/l | 19.3 | 7% | 7 |
| 7/22-7/28/00 | 001 | TSS | 18 | mg/l | 26.6 | 48% | 7 |
| 7/2000 | 001 | TSS | 12 | mg/l | 19 | 58% | 31 |
| 7/22-7/28/00 | 001 | TSS | 130 | kg/dy | 211.6 | 63% | 7 |
| 7/2000 | 001 | TSS | 86 | kg/dy | 116.33 | 35% | 31 |
| 8/1-8/7/00 | 001 | TSS | 130 | kg/dy | 183.03 | 41% | 7 |
| 8/2000 | 001 | TSS | 86 | kg/dy | 203.32 | 136% | 31 |
| 8/2000 | 001 | TSS | 12 | mg/l | 12.8 | 7% | 31 |
| 9/7/00 | 001 | $Cl_2$ | 0.019 | mg/l | 0.029 | 53% | 1 |
| 9/2000 | 001 | TSS | 86 | kg/dy | 95.3 | 11% | 30 |
| 9/2000 | 001 | TSS | 12 | mg/l | 15.2 | 27% | 30 |
| 10/17/00 | 001 | $Cl_2$ | 0.019 | mg/l | 0.090 | 374% | 7 |
| 5/15-5/21/01 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 5/2001 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 6/23/01 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 6/24/01 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |

## TABLE OF VIOLATIONS
### CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 6/1-6/7/01 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 6/2001 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 7/5/01 | 001 | Copper | 49 | ug/l | 140 | 186% | 1 |
| 7/5/01 | 001 | Copper | 0.35 | kg/dy | .4488 | 28% | 1 |
| 7/2001 | 001 | Copper | 30 | ug/l | 140 | 367% | 31 |
| 7/2001 | 001 | Copper | 0.22 | kg/dy | .4488 | 104% | 31 |
| 7/8-7/14/01 | 001 | TSS | 18 | mg/l | 18.5 | 3% | 7 |
| 7/15-7/21/01 | 001 | TSS | 18 | mg/l | 20.5 | 14% | 7 |
| 7/2001 | 001 | TSS | 12 | mg/l | 17 | 42% | 31 |
| 8/2001 | 001 | TSS | 12 | mg/l | 13.9 | 16% | 31 |
| 9/30/01 | 001 | $Cl_2$ | 0.019 | mg/l | 0.021 | 11% | 1 |
| 10/7/01 | 001 | $Cl_2$ | 0.019 | mg/l | 0.023 | 21% | 1 |
| 10/8/01 | 001 | $Cl_2$ | 0.019 | mg/l | 0.058 | 205% | 1 |
| 2/15-2/21/02 | 001 | Phosphorus, Total | 1.5 | mg/l | 2.4 | 60% | 7 |
| 2/15-2/21/02 | 001 | Phosphorus, Total | 11 | kg/dy | 15.4 | 40% | 7 |
| **NPDES PERMIT ISSUED 6/10/02 & EFFECTIVE 7/1/02** | | | | | | | |
| 7/2002 | 001 | Hg | 1.3 | ng/dy | 4.7[1/] | 262% | 31 |
| 7/2002 | 001 | Hg | 0.000010 | kg/dy | 0.0000247 | 147% | 31 |
| 7/6/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 7/18/02 | 001 | pH (Max) | 9.0 | S.U. | 9.02 | 0% | 1 |

[1/]NPDES Permit Language: "During the period beginning of the effective of this Permit and lasting until this permit is modified or renewed, an interim quantification level (QL) of 1.0 ug/l (1000 ng/l) shall apply to analytical results reported for mercury. Any analytical result reported less than the interim QL shall be considered to be in compliance with that limit"

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 7/20/02 | 001 | pH (Max) | 9.0 | S.U. | 9.21 | 2% | 1 |
| 7/23/02 | 001 | pH (Max) | 9.0 | S.U. | 9.02 | 0% | 1 |
| 7/25/02 | 001 | pH (Max) | 9.0 | S.U. | 9.23 | 3% | 1 |
| 8/23/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 8/24/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 8/25/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/2/02 | 001 | pH (Max) | 9.0 | S.U. | 9.04 | 0% | 1 |
| 8/3/02 | 001 | pH (Max) | 9.0 | S.U. | 9.09 | 1% | 1 |
| 8/4/02 | 001 | pH (Max) | 9.0 | S.U. | 9.18 | 2% | 1 |
| 8/6/02 | 001 | pH (Max) | 9.0 | S.U. | 9.03 | 0% | 1 |
| 8/8/02 | 001 | pH (Max) | 9.0 | S.U | 9.18 | 2% | 1 |
| 8/10/02 | 001 | pH (Max) | 9.0 | S.U. | 9.13 | 1% | 1 |
| 8/11/02 | 001 | pH (Max) | 9.0 | S.U. | 9.16 | 2% | 1 |
| 8/18/02 | 001 | pH (Max) | 9.0 | S.U. | 9.14 | 2% | 1 |
| 8/27/02 | 001 | pH (Max) | 9.0 | S.U. | 9.08 | 1% | 1 |
| 8/28/02 | 001 | pH (Max) | 9.0 | S.U.. | 9.20 | 2% | 1 |
| 8/29/02 | 001 | pH (Max) | 9.0 | S.U. | 9.14 | 2% | 1 |
| 8/30/02 | 001 | pH (Max) | 9.0 | S.U. | 9.31 | 3% | 1 |
| 9/1/02 | 001 | pH (Max) | 9.0 | S.U. | 9.10 | 1% | 1 |
| 9/9/02 | 001 | pH (Max) | 9.0 | S.U. | 9.10 | 1% | 1 |
| 10/2002 | 001 | Hg | 1.3 | ng/l | 1.7[1] | 32% | 31 |
| 10/5/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| | | | | | | ?? | 1251 |
| | | | | | | ?? | |

Revised 4/03

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 5/97 | 001 | Dissolved Oxygen (D.O.) (Not less than) | 7.0 | mg/l | 5.7 | -19% | 31 |
| 5/97 | 001 | Fecal Coliform (To Numerous To Count = AK) | 1000 | #/100 mg/l | 95000 | 9400% | 31 |
| 6/26/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 6/27/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 6/30/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 7/1/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/3/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/8/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.4 | -9% | 1 |
| 7/9/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/10/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 5.3 | -24% | 1 |
| 7/11/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.1 | -13% | 1 |
| 7/12/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 7/17/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/18/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 7/19/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 7/22/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 7/23/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.0 | -14% | 1 |
| 7/24/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 7/25/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 7/26/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 7/27/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 7/29/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 7/14/97 | 001 | pH (Max) | 9.0 | S.U. | 9.2 | 2% | 1 |
| 7/97 | 001 | Total Suspended Solids (TSS) | 12 | mg/l | 13.8 | 15% | 31 |
| 8/5/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 8/17/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 8/18/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 8/15-8/21/97 | 001 | TSS | 18 | mg/l | 26 | 44% | 7 |
| 8/15-8/21/97 | 001 | TSS | 130 | kg/dy | 166.6 | 28% | 7 |
| 8/97 | 001 | TSS | 12 | mg/l | 14.6 | 22% | 31 |
| 9/11/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 9/13/97 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 9/21-9/28/97 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 9/97 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| 5/8-5/14/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 5/15-5/21/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 5/98 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| 5/7/98 | 001 | Mercury (Hg) | .00010 | kg/dy | .0012698 | 1170% | 1 |
| 6/26/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 6/29/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 6/30/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 6/98 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| 7/22/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 7/2/98 | 001 | Total Residual Chlorine ($Cl_2$) | 0.019 | mg/l | 0.0310 | 63% | 1 |
| 7/7/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1 | 426% | 1 |
| 7/19/98 | 001 | pH (Min) | 6.5 | S.U. | 6.0 | -8% | 1 |
| 7/26/98 | 001 | pH (Min | 6.5 | S.U. | 6.4 | -2% | 1 |
| 8/6/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 8/7/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 8/8/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/11/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/13/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.2 | -11% | 1 |
| 8/14/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.3 | -10% | 1 |
| 8/15/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/18/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/20/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 8/21/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/25/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 8/28/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 8/29/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/30/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/1-8/7/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 8/8-8/14/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 8/22-8/28/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 8/98 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 8/15-8/21/98 | 001 | Ammonia Nitrogen ($NH_3$) | 1.5 | mg/l | 1.925 | 28% | 7 |
| 8/19/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0530 | 179% | 1 |
| 8/21/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0480 | 153% | 1 |
| 8/22/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1999 | 952% | 1 |
| 8/23/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1709 | 799% | 1 |
| 8/24/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0590 | 211% | 1 |
| 8/27/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0380 | 100% | 1 |

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 8/28/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1370 | 621% | 1 |
| 8/29/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1455 | 666% | 1 |
| 8/30/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0293 | 54% | 1 |
| 8/31/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0271 | 43% | 1 |
| 9/15/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 9/16/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 9/19/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |
| 9/15-9/21/98 | 001 | $NH_3$ | 1.5 | mg/l | 1.95 | 30% | 7 |
| 9/15-9/21/98 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 9/98 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| 9/1/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0339 | 78% | 1 |
| 9/3/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0230 | 21% | 1 |
| 9/4/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0520 | 174% | 1 |
| 9/5/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0770 | 305% | 1 |
| 9/6/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0297 | 56% | 1 |
| 9/8/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0888 | 367% | 1 |
| 9/9/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0410 | 116% | 1 |
| 9/10/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0531 | 179% | 1 |
| 9/11/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1037 | 446% | 1 |
| 9/12/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1281 | 574% | 1 |
| 9/13/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.3627 | 1809% | 1 |
| 9/14/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1175 | 518% | 1 |
| 9/16/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0272 | 43% | 1 |
| 9/19/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0540 | 184% | 1 |
| 9/22/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0480 | 153% | 1 |

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 9/23/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0560 | 195% | 1 |
| 9/24/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0645 | 239% | 1 |
| 9/25/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0749 | 294% | 1 |
| 9/27/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0600 | 216% | 1 |
| 9/28/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0790 | 316% | 1 |
| 9/29/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0560 | 195% | 1 |
| 9/30/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1130 | 495% | 1 |
| 10/26/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 10/29/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 10/31/98 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| 10/1/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0497 | 162% | 1 |
| 10/2/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1046 | 451% | 1 |
| 10/3/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.3195 | 1582% | 1 |
| 10/4/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0430 | 126% | 1 |
| 10/5/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0880 | 363% | 1 |
| 10/6/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0270 | 42% | 1 |
| 10/7/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0510 | 168% | 1 |
| 10/9/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0217 | 14% | 1 |
| 10/10/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0980 | 416% | 1 |
| 10/11/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0267 | 41% | 1 |
| 10/12/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0560 | 195% | 1 |
| 10/13/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0260 | 37% | 1 |
| 10/15/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0250 | 32% | 1 |
| 10/16/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0930 | 389% | 1 |
| 10/17/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0550 | 189% | 1 |
| 10/18/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1205 | 534% | 1 |
| 10/19/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.1060 | 458% | 1 |

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 10/20/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0390 | 105% | 1 |
| 10/28/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0220 | 16% | 1 |
| 10/30/98 | 001 | $Cl_2$ | 0.019 | mg/l | 0.0550 | 189% | 1 |
| 5/16/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 5/19/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.4 | -9% | 1 |
| 5/22/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 5.2 | -26% | 1 |
| 5/24/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 6/14/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.6 | -6% | 1 |
| 6/15/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 6/25/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.4 | -9% | 1 |
| 6/27/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 6/28/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 6/28/99 | 001 | Silver (Ag) | 8.7 | ug/l | 10 | 15% | 1 |
| 6/99 | 001 | Ag | 1.4 | ug/l | 10 | 614% | 30 |
| 6/99 | 001 | Ag | 0.01 | kg/dy | 0.510975 | 5010% | 30 |
| 7/2/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 7/5/99 | 001 | pH (max) | 9.0 | S.U. | 9.2 | 2% | 1 |
| 8/19/99 | 001 | Ag | 8.7 | ug/l | 10 | 15% | 1 |
| 8/99 | 001 | Ag | 1.4 | ug/l | 10 | 614% | 31 |
| 8/19/99 | 001 | Ag | 0.01 | kg/dy | .619226 | 6092% | 1 |
| 8/21/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 9/99 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 30 |
| 10/17/99 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 10/1-10/7/99 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 10/99 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 4/15-4/21/00 | 001 | Total Suspended Solids | 324 | kg/day | 369 | 14% | 7 |

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 5/1-5/7/00 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 5/2000 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 7/12/00 | 001 | pH (Max) | 9.0 | S.U. | 9.2 | 2% | 1 |
| 7/16-7/21/00 | 001 | TSS | 18 | mg/l | 19.3 | 7% | 7 |
| 7/22-7/28/00 | 001 | TSS | 18 | mg/l | 26.6 | 48% | 7 |
| 7/2000 | 001 | TSS | 12 | mg/l | 19 | 58% | 31 |
| 7/22-7/28/00 | 001 | TSS | 130 | kg/dy | 211.6 | 63% | 7 |
| 7/2000 | 001 | TSS | 86 | kg/dy | 116.33 | 35% | 31 |
| 8/1-8/7/00 | 001 | TSS | 130 | kg/dy | 183.03 | 41% | 7 |
| 8/2000 | 001 | TSS | 86 | kg/dy | 203.32 | 136% | 31 |
| 8/2000 | 001 | TSS | 12 | mg/l | 12.8 | 7% | 31 |
| 9/7/00 | 001 | $Cl_2$ | 0.019 | mg/l | 0.029 | 53% | 1 |
| 9/2000 | 001 | TSS | 86 | kg/dy | 95.3 | 11% | 30 |
| 9/2000 | 001 | TSS | 12 | mg/l | 15.2 | 27% | 30 |
| 10/17/00 | 001 | $Cl_2$ | 0.019 | mg/l | 0.090 | 374% | 7 |
| 5/15-5/21/01 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 5/2001 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 6/23/01 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 6/24/01 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 6/1-6/7/01 | 001 | Fecal Coliform (AK) | 2000 | #/100ml | 95000 | 4650% | 7 |
| 6/2001 | 001 | Fecal Coliform (AK) | 1000 | #/100ml | 95000 | 9400% | 31 |
| 7/5/01 | 001 | Copper | 49 | ug/l | 140 | 186% | 1 |

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 7/5/01 | 001 | Copper | 0.35 | kg/dy | .4488 | 28% | 1 |
| 7/2001 | 001 | Copper | 30 | ug/l | 140 | 367% | 31 |
| 7/2001 | 001 | Copper | 0.22 | kg/dy | .4488 | 104% | 31 |
| 7/8-7/14/01 | 001 | TSS | 18 | mg/l | 18.5 | 3% | 7 |
| 7/15-7/21/01 | 001 | TSS | 18 | mg/l | 20.5 | 14% | 7 |
| 7/2001 | 001 | TSS | 12 | mg/l | 17 | 42% | 31 |
| 8/2001 | 001 | TSS | 12 | mg/l | 13.9 | 16% | 31 |
| 9/30/01 | 001 | $Cl_2$ | 0.019 | mg/l | 0.021 | 11% | 1 |
| 10/7/01 | 001 | $Cl_2$ | 0.019 | mg/l | 0.023 | 21% | 1 |
| 10/8/01 | 001 | $Cl_2$ | 0.019 | mg/l | 0.058 | 205% | 1 |
| 2/15-2/21/02 | 001 | Phosphorus, Total | 1.5 | mg/l | 2.4 | 60% | 7 |
| 2/15-2/21/02 | 001 | Phosphorus, Total | 11 | kg/dy | 15.4 | 40% | 7 |
| 7/2002 | 001 | Hg | 1.3 | ng/dy | 4.7[1/] | 262% | 31 |
| 7/2002 | 001 | Hg | 0.000010 | kg/dy | 0.0000247 | 147% | 31 |
| 7/6/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 7/18/02 | 001 | pH (Max) | 9.0 | S.U. | 9.02 | 0% | 1 |
| 7/20/02 | 001 | pH (Max) | 9.0 | S.U. | 9.21 | 2% | 1 |
| 7/23/02 | 001 | pH (Max) | 9.0 | S.U. | 9.02 | 0% | 1 |
| 7/25/02 | 001 | pH (Max) | 9.0 | S.U. | 9.23 | 3% | 1 |
| 8/23/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.7 | -4% | 1 |

[1/]NPDES Permit Language: "During the period beginning of the effective of this Permit and lasting until this permit is modified or renewed, an interim quantification level (QL) of 1.0 ug/l (1000 ng/l) shall apply to analytical results reported for mercury. Any analytical result reported less than the interim QL shall be considered to be in compliance with that limit"

# TABLE OF VIOLATIONS
## CITY OF CLYDE, OHIO - OH0024686

| Date | Outfall | Parameter | Permit Limit | Units | Reported Value | % Exceedance | Days of Violations |
|---|---|---|---|---|---|---|---|
| 8/24/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.8 | -3% | 1 |
| 8/25/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.9 | -1% | 1 |
| 8/2/02 | 001 | pH (Max) | 9.0 | S.U. | 9.04 | 0% | 1 |
| 8/3/02 | 001 | pH (Max) | 9.0 | S.U. | 9.09 | 1% | 1 |
| 8/4/02 | 001 | pH (Max) | 9.0 | S.U. | 9.18 | 2% | 1 |
| 8/6/02 | 001 | pH (Max) | 9.0 | S.U. | 9.03 | 0% | 1 |
| 8/8/02 | 001 | pH (Max) | 9.0 | S.U | 9.18 | 2% | 1 |
| 8/10/02 | 001 | pH (Max) | 9.0 | S.U. | 9.13 | 1% | 1 |
| 8/11/02 | 001 | pH (Max) | 9.0 | S.U. | 9.16 | 2% | 1 |
| 8/18/02 | 001 | pH (Max) | 9.0 | S.U. | 9.14 | 2% | 1 |
| 8/27/02 | 001 | pH (Max) | 9.0 | S.U. | 9.08 | 1% | 1 |
| 8/28/02 | 001 | pH (Max) | 9.0 | S.U.. | 9.20 | 2% | 1 |
| 8/29/02 | 001 | pH (Max) | 9.0 | S.U. | 9.14 | 2% | 1 |
| 8/30/02 | 001 | pH (Max) | 9.0 | S.U. | 9.31 | 3% | 1 |
| 9/1/02 | 001 | pH (Max) | 9.0 | S.U. | 9.10 | 1% | 1 |
| 9/9/02 | 001 | pH (Max) | 9.0 | S.U. | 9.10 | 1% | 1 |
| 10/2002 | 001 | Hg | 1.3 | ng/l | 1.7[1] | 32% | 31 |
| 10/5/02 | 001 | D.O. (Not less than) | 7.0 | mg/l | 6.5 | -7% | 1 |
| | | | | | | ?? | 1251 |
| | | | | | | ?? | |

Revised 4/03